

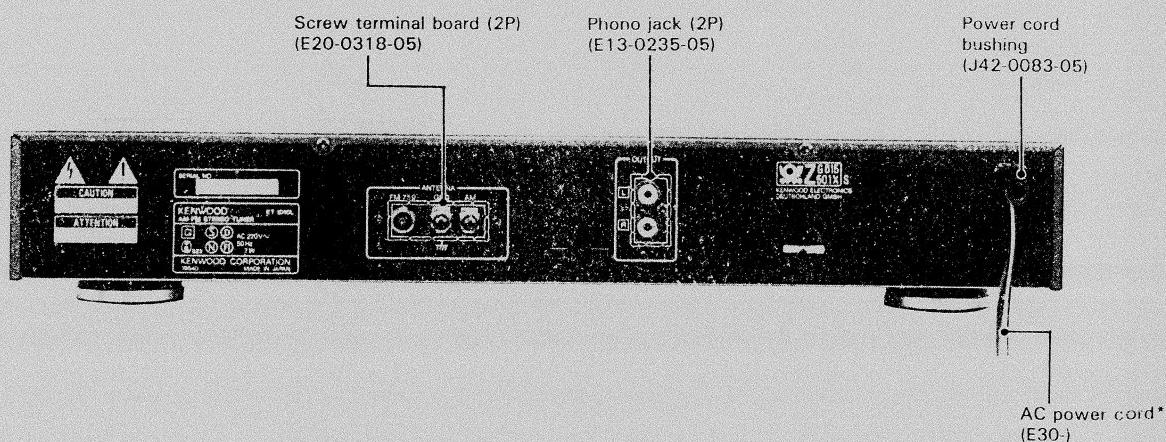
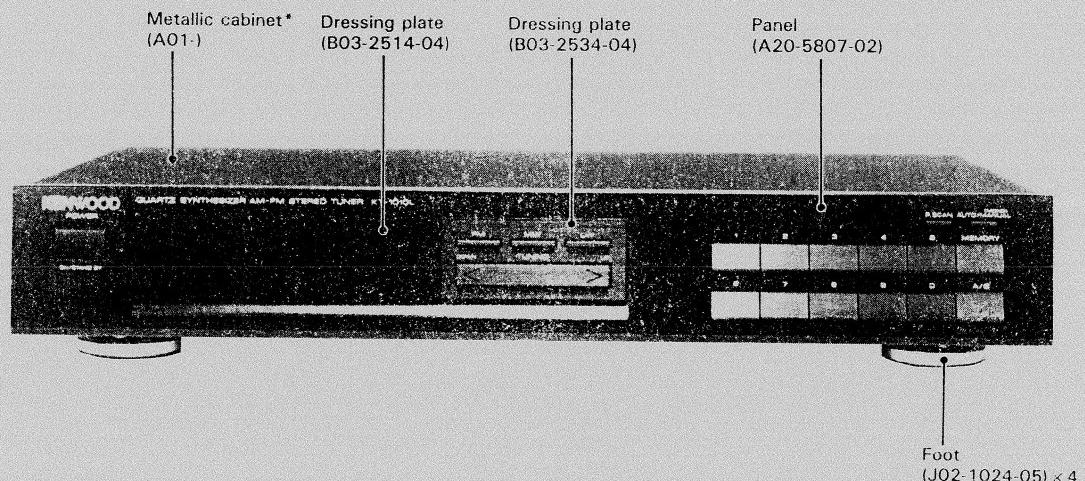
QUARTZ SYNTHESIZER AM-FM STEREO TUNER

KT-1010/L

SERVICE MANUAL

KENWOOD

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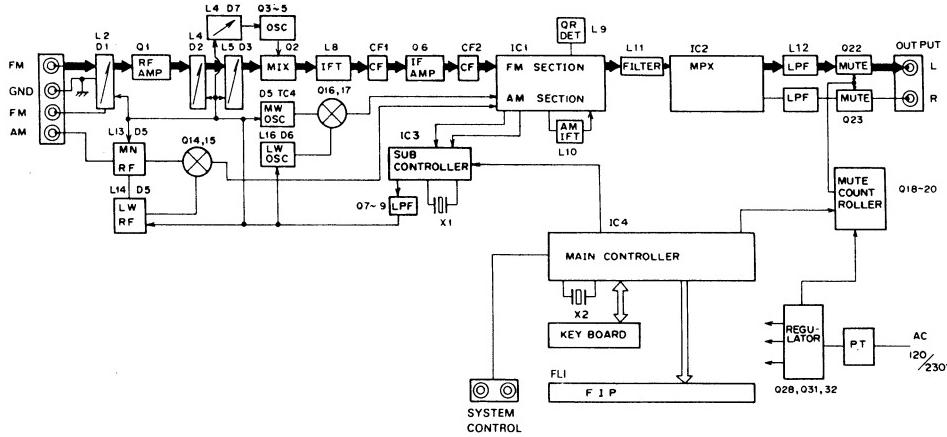


* Refer to parts list on page 28.
Photo is KT-1010L

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BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Function of components

Tuner unit (X05-370X-XX, X05-372X-XX, X05-374X-XX)

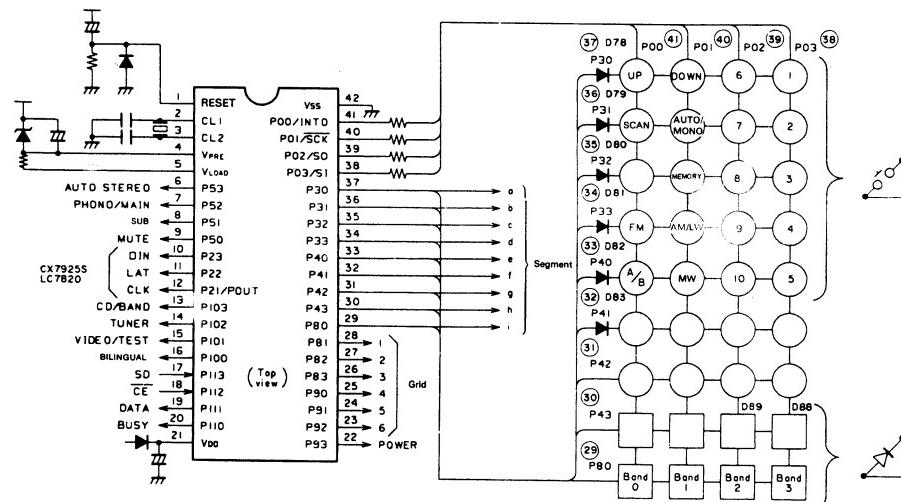
Components	Use/Function	Operation/Condition/Interchangeability
IC1 (LA1265)	FM/AM system IC	FM IF amp. detection and control: AM mixing, IF amp and detection.
IC2 (AN7470)	MPX IC	MPX demodulator
IC3 (CX7925B or LM7001)	PLL IC for frequency synthesizer	PLL for electronic tuning.
IC4 (μ PD7538AC-045 or μ PD7538AC-041)	4-bit microcomputer	Controller for PLL and display, etc.
Q1	RF AMP	High-frequency amp
Q2	MIX	Frequency converter
Q3	OSC	Local oscillator
Q4	OSC Buffer	OSC OUT (oscillator output) for synthesizer
Q5	OSC Buffer	For local oscillator input to MIX
Q6	FM IF AMP	10.7 MHz amp
Q7,8	L.P.F	Low pass filter for PLL
Q9	Low pass filter select	Time constant select in LW mode
Q10	Low pass filter select	Q9 control: LW position with this switch ON
Q11	AM-FM select	TC1 mode select: AM position with this switch ON
Q12	Inverter amp	Auto Stop control
Q13	Buffer	Impedance converter
Q14,15	AM RF select	Electronic RF selection between LW and MW
Q16,17	AM OSC (oscillator) select	Electronic OSC (oscillator) selection between LW and MW
Q18	Mute inverter	Inversion of IC4 control signal
Q19	Mute control	Activated when Function is changed over
Q20	MUTE Driver	Activated when Function is changed over
Q23,24	MUTE Switch	Muting when Function is changed over
Q25	Band select	LW/MW mode control
Q26,27	Band select	AM/FM mode control
Q28	Constant voltage	For stabilizing +12V
Q29	POWER Driver	ON/OFF of +12V power supply
Q30	Power control	Power ON/OFF control
Q31	Constant voltage	For stabilizing +5V
Q32	Constant voltage	For stabilizing +5V, and CE control
Q33	FIP control	Supplies +5V to Q34 and Q35 when power is ON
Q34	FIP Driver	TUNED indication
Q35	FIP Driver	STEREO indication
Q36	FIP control	Controls Q38 when power is ON
Q37	FIP Driver	FIP indication
Q38,39	Band select	LW/MW SW control (CX-7925B models)

CIRCUIT DESCRIPTION

IC4: μ PD7538AC-045/-041 (X05-370X-XX/-374X-XX)

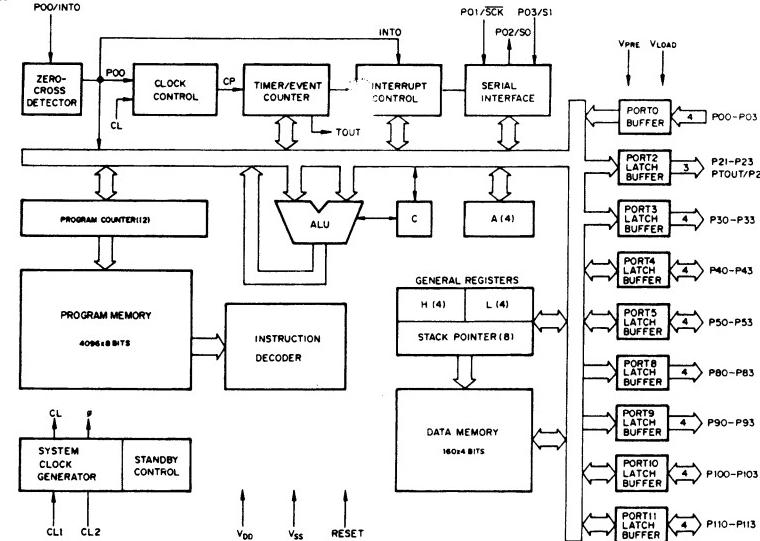
Microprocessor IC

Pin connections and key matrix connections



LM7001	μ PD7538AC-045
CX7925B	μ PD7538AC-041

Block diagram



CIRCUIT DESCRIPTION

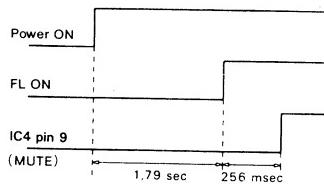
Pin functions

Pin No.	Symbol	I/O mode	Operation mode	Name	Function
1	RESET	I	H		Reset signal.
2	CL1	—	—		Clock pulse.
3	CL2	—	—		Clock pulse.
4	VPRE	—	—		FL tube predrive power supply.
5	VLOAD	—	—		FL tube drive power supply (-30 V)
6	P53	O	H	AUTO-STEREO	Control by MONO/ST key. Stereo (L), Mono (H)
7	P52	O	H	MAIN	TV MAIN pin.
8	P51	O	H	SUB	TV SUB pin.
9	P50	O	H	MUTE	Muting signal.
10	P23	O	H	DIN	CLK output to PLL IC (LM7001 or CX7925B).
11	P22	O	H	LAT	LAT output to PLL IC (LM7001 or CX7925B).
12	P21/POUT	O	H	CLK	DATA output to PLL IC (LM7001 or CX7925B).
13	P103	O	H		Band information output (UHF-H).
14	P102	O	H		
15	P101	O	H	TEST	Input port: TEST pin (H).
16	P100	O	H		Input port: TV mode "Bilingual" pin (H).
17	P113	I	H	SD	Broadcasting station detection signal when auto-tuning.
18	P112	I	L	CE	Backup detection pin.
19	P111	I/O	H	DATA	Serial signal DATA pin.
20	P110	I/O	H	BUSY	Serial signal BUSY pin.
21	VDD	—	—	VDD	+5 V power input pin.
22	P93	O	H		Power supply pin.
23	P92	O	H	G6	FL tube digit control pin, GRID6.
24	P91	O	H	G5	FL tube digit control pin, GRID5.
25	P90	O	H	G4	FL tube digit control pin, GRID4.
26	P83	O	H	G3	FL tube digit control pin, GRID3.
27	P82	O	H	G2	FL tube digit control pin, GRID2.
28	P81	O	H	G1	FL tube digit control pin, GRID1.
29	P80	O	H	i	Key strobe signal output, FL tube segment output i.
30	P43	O	H	h	Key strobe signal output, FL tube segment output h.
31	P42	O	H	g	Key strobe signal output, FL tube segment output g.
32	P41	O	H	f	Key strobe signal output, FL tube segment output f.
33	P40	O	H	e	Key strobe signal output, FL tube segment output e.
34	P33	O	H	d	Key strobe signal output, FL tube segment output d.
35	P32	O	H	c	Key strobe signal output, FL tube segment output c.
36	P31	O	H	b	Key strobe signal output, FL tube segment output b.
37	P30	O	H	a	Key strobe signal output, FL tube segment output a.
38	P03/SI	I	H		Key return signal input.
39	P02/Se	I	H		Key return signal input.
40	P01/SCK	I	H		Key return signal input.
41	P00/INTO	I	H		Key return signal input.
42	VSS	—	—	VSS	GND

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CIRCUIT DESCRIPTION

Signal timing after Power ON in Concept mode



Muting control

The output muting signal is controlled as follows. When the pin 9 (MUTE) of the microprocessor is "L", the output muting signal becomes "H" to mute off the output during a following period at each event.

- At power ON/OFF ... Operates for 2 seconds from power ON.
- At band selection
- At preset channel call ... Operates for 0.3 second.
- At tuning dial up/down

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNE SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION Unless otherwise specified, the individual switches should be set as following: SELECTOR: FM MODE: FM MODE/AUTO							
1	BAND EDGE (1)	-	Connect a DC voltmeter between TP1(VT) and TP2(GND).	87.5MHz	L7	2.5V	(a)
2	BAND EDGE (2)	-	Connect a DC voltmeter between TP1(VT) and TP2(GND).	108.0MHz	TC1	8.0V	(a)
Repeat alignments 1 and 2 several times.							
3	RF ALIGNMENT	(A) 98.0MHz 1kHz, ±75kHz dev	(B)	MONO 98.0MHz	Front end L2,3,4	Maximum amplitude and symmetry of the oscilloscope display.	
4	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±75kHz dev 60dBμ(ANT input)	Connect a DC voltmeter between TP3 and TP4.	MONO 98.0MHz	L9	0V	(b)
5	VCO	(A) 98.0MHz 0 dev 60dBμ(ANT input)	Connect a 330Ω resistor to TP8. Connect a frequency counter to the resistor via an AC voltmeter.	98.0MHz	VR3	19.00kHz	(c)
6	SEPARATION (STEREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev Selector:L or R 60dBμ(ANT input)	(B)	98.0MHz	L8	Minimum crosstalk.	
7	TUNING LEVEL	(A) 98.0MHz 0 dev 18dBμ(ANT input) 300Ω 14dBμ(ANT input) 75Ω	(B)	AUTO or MONO 98.0MHz	VR2	Adjust VR2 and stop at the point where FL1(TUNED) goes on.	
AM - MW SECTION Keep the AM loop antenna installed. SELECTOR: AM (KT-1010) or MW (KT-1010L)							
(1)	BAND EDGE (1)	-	Connect a DC voltmeter between TP1(VT) and TP2(GND).	530kHz (531kHz)	L16	1.5V	(a)
(2)	BAND EDGE (2)	-	Connect a DC voltmeter between TP1(VT) and TP2(GND).	1610kHz (1602kHz)	TC5	8.0V	(a)
Repeat alignments (1) and (2) several times.							
(3)	RF ALIGNMENT (1)	(D) 630kHz 400Hz, 30% mod	(B)	630kHz	L14	Maximum amplitude and symmetry of the oscilloscope display.	
(4)	RF ALIGNMENT (2)	(D) 1440kHz 400Hz, 30% mod	(B)	1440kHz	TC3	Maximum amplitude and symmetry of the oscilloscope display.	
(5)	TUNING LEVEL	(D) 1000kHz 36dBμ(ANT input)	(B)	-	VR1	Adjust VR1 and stop at the point where FL1(TUNED) goes on.	
Repeat alignments (3) and (4) several times.							
AM - LW SECTION (KT-1010L only) Keep the AM loop antenna installed. SELECTOR: LW							
(6)	BAND EDGE (1)	-	Connect a DC voltmeter between TP1(VT) and TP2(GND).	153kHz	L15	1.5V	(a)
(7)	BAND EDGE (2)	-	Connect a DC voltmeter between TP1(VT) and TP2(GND).	281kHz	TC4	8.0V	(a)
Repeat alignments (6) and (7) several times.							
(8)	RF ALIGNMENT (1)	(D) 162kHz 400Hz, 30% mod	(B)	162kHz	L13	Maximum amplitude and symmetry of the oscilloscope display.	
(9)	RF ALIGNMENT (2)	(D) 270kHz 400Hz, 30% mod	(B)	270kHz	TC2	Maximum amplitude and symmetry of the oscilloscope display.	
Repeat alignments (8) and (9) several times.							

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REGLAGES

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER	POINT DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MF Sauf en cas d'indications spéciales, régler chaque commutateur comme suit: SELECTEUR: FM MODE: FM MODE/AUTO							
1	BORD DE BANDE (1)	—	Relier un voltmètre CC entre les TP1(VT) et TP2(GND).	87.5MHz	L7	2.5V	(a)
2	BORD DE BANDE (2)	—	Relier un voltmètre CC entre les TP1(VT) et TP2(GND).	108.0MHz	TC1	8.0V	(a)
Répéter les points 1 et 2 plusieurs fois.							
3	ALIGNEMENT HT	(A) 98.0MHz 1kHz.±75kHz dév	(B)	MONO 98.0MHz	Contrôle L2,3,4	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
4	DISCRIMINATEUR	(A) 98.0MHz 1kHz.±75kHz dév 60dB μ (Entrée ANT)	Relier un voltmètre CC entre les TP3 et TP4.	MONO 98.0MHz	L9	0V	(b)
5	VCO	(A) 98.0MHz 0 dév 60dB μ (Entrée ANT)	Relier une résistance de 330k Ω à TP8. Raccorder un commuteur de fréquence à une résistance par l'intermédiaire d'un voltmètre CA.	98.0MHz	VR3	19.00kHz	(c)
6	SEPARATION (STEREO)	(C) 98.0MHz 1kHz.±68.25kHz dév Selection:L ou R 60dB μ (Entrée ANT)	(B)	98.0MHz	L8	Diaphonie minimale.	
7	NIVEAU D'ACCORDER	(A) 98.0MHz 0 dév 18dB μ (Entrée ANT) 3000 14dB μ (Entrée ANT) 750	—	AUTO ou MONO 98.0MHz	VR2	Ajuster VR2 et arrêter le mouvement de VR2 au moment où le FL1(TUNED)s'allume.	
SECTION MA Laisser l'antenne bouche MA installée. SELECTEUR: AM (KT-1010) ou MW (KT-1010L)							
(1)	BORD DE BANDE (1)	—	Relier un voltmètre CC entre les TP1(VT) et TP2(GND).	530kHz (531kHz)	L16	1.5V	(a)
(2)	BORD DE BANDE (2)	—	Relier un voltmètre CC entre les TP1(VT) et TP2(GND).	1610kHz (1602kHz)	TC5	8.0V	(a)
Répéter les points (1) et (2) plusieurs fois.							
(3)	ALIGNEMENT HT (1)	(D) 630kHz 400Hz.30% mod	(B)	630kHz	L14	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(4)	ALIGNEMENT HT (2)	(D) 1440kHz 400Hz.30% mod	(B)	1440kHz	TC3	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(5)	NIVEAU D'ACCORDER	(A) 1000kHz 36dB μ (Entrée ANT)	—	—	VR1	Ajuster VR1 et arrêter le mouvement de VR1 au moment où le FL1(TUNED)s'allume.	
Répéter les points (3) et (4) plusieurs fois.							
SECTION GO (KT-1010L seulement) Laisser l'antenne bouche MA installée. SELECTEUR: LW							
(6)	BORD DE BANDE (1)	—	Relier un voltmètre CC entre les TP1(VT) et TP2(GND).	153kHz	L15	1.5V	(a)
(7)	BORD DE BANDE (2)	—	Relier un voltmètre CC entre les TP1(VT) et TP2(GND).	281kHz	TC4	8.0V	(a)
Répéter les points (6) et (7) plusieurs fois.							
(8)	ALIGNEMENT HT (1)	(D) 162kHz 400Hz.30% mod	(B)	162kHz	L13	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(9)	ALIGNEMENT HT (2)	(D) 270kHz 400Hz.30% mod	(B)	270kHz	TC2	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
Répéter les points (8) et (9) plusieurs fois.							

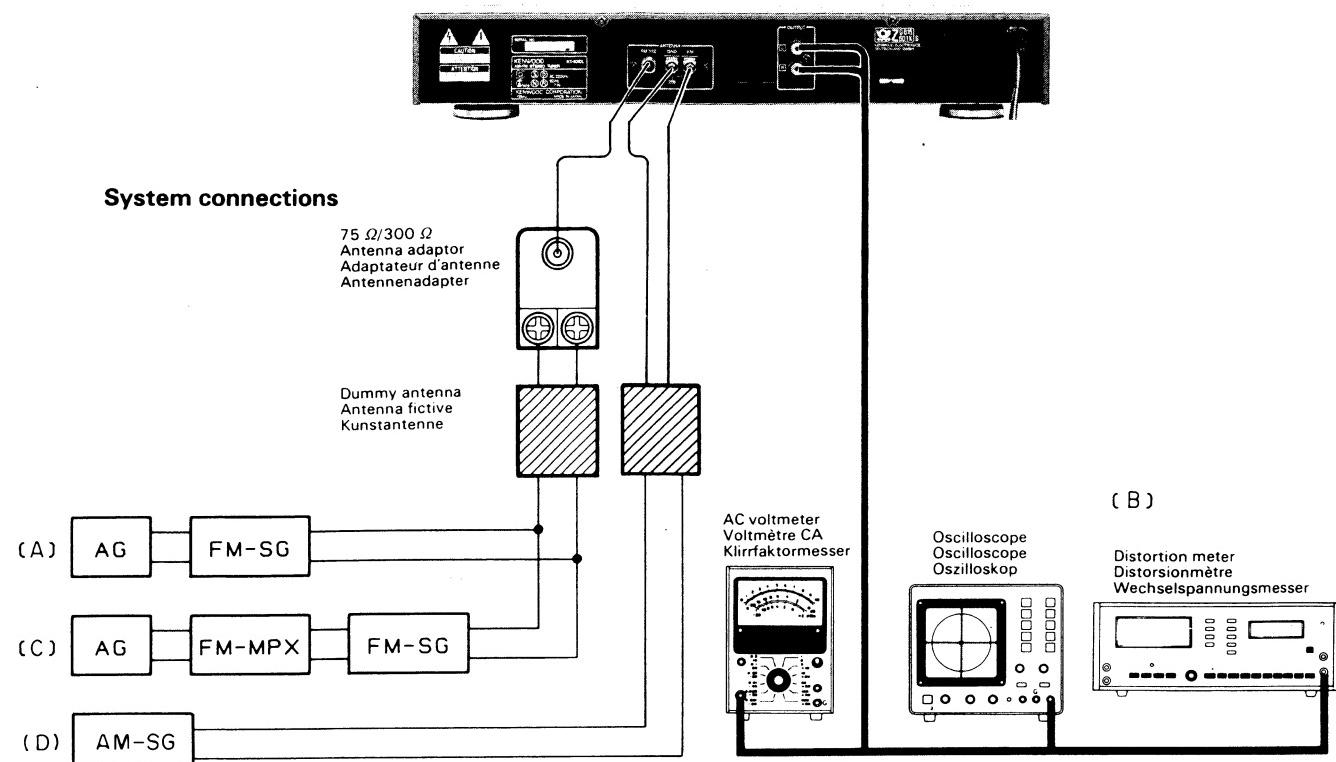
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ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
UKW - EMPFANGSABTEILUNG Außer wenn anders angegeben, die verschiedenen Schalter wie folgt einstellen: SELECTOR: FM MODE:FM MODE/AUTO							
1	BANDKANTE (1)	—	Einen Gleichspannungsmesser zwischen TP1(VT) und TP2(GND) anschließen.	87,5MHz	L7	2,5V	(a)
2	BANDKANTE (2)	—	Einen Gleichspannungsmesser zwischen TP1(VT) und TP2(GND) anschließen.	108,0MHz	TC1	8,0V	(a)
Abstimmungen 1 und 2 mehrere Male wiederholen.							
3	EMPFANGS-BEREICH-ABSTIMMUNGEN	(A) 98,0MHz 1kHz.±75kHz Hub	(B)	MONO 98,0MHz	Eingangs-stufe L2,3,4	Maximal Amplitude und Symmetrie des Oszilloskopbildes.	
4	DISKRIMINATOR	(A) 98,0MHz 1kHz.±75kHz Hub 60dB μ (ANT Eingang)	Einen Gleichspannungsmesser zwischen TP3 und TP4 anschließen.	MONO 98,0MHz	L9	0V	(b)
5	SPANNUNGS-GERECELTER OSZILLATOR	(A) 98,0MHz 0 Hub 60dB μ (ANT Eingang)	Einen 330k Ω Widerstanden zu TP8 anschließen. Einen Frequenzzähler über einen Wechselspannungsmesser an den Widerstand anschließen.	98,0MHz	VR3	19,00kHz	(c)
6	STEREO KANAL TRENNUNG	(C) 98,0MHz 1kHz.±68,25kHz Hub Wähler: L oder R 60dB μ (ANT-Eingang)	(B)	98,0MHz	L8	Minimal Übersprechen.	
7	ABSTIMM	(A) 98,0MHz 0 Hub 18dB μ (ANT-Eingang) 3000 14dB μ (ANT-Eingang) 750	—	AUTO oder MONO 98,0MHz	VR2	Den Pegel wiederstand aufdrehen, und dem VR2 Halt geben wobei den FL1(TUNED) anzeiger leuchtet wird.	
MW - EMPFANGSABTEILUNG : Die MW-Rahmenantenne angebracht lassen. SELECTOR: AM (KT-1010) oder MW (KT-1010L)							
(1)	BANDKANTE (1)	—	Einen Gleichspannungsmesser zwischen TP1(VT) und TP2(GND) anschließen.	530kHz (531kHz)	L16	1,5V	(a)
(2)	BANDKANTE (2)	—	Einen Gleichspannungsmesser zwischen TP1(VT) und TP2(GND) anschließen.	1610kHz (1602kHz)	TC5	8,0V	(a)
Abstimmungen (1) und (2) mehrere Male wiederholen.							
(3)	HF-ABGLEICH (1)	(D) 630kHz 400Hz.30% mod	(B)	630kHz	L14	Maximal Amplitude und Symmetrie des Oszilloskopbildes.	
(4)	HF-ABGLEICH (2)	(D) 1440kHz 400Hz.30% mod	(B)	1440kHz	TC3	Maximal Amplitude und Symmetrie des Oszilloskopbildes.	
(5)	ABSTIMM PEGEL	(A) 1000kHz 36dB μ (ANT-Eingang)	—	—	VR1	Den Pegel wiederstand aufdrehen, und dem VR1 Halt geben wobei den FL1(TUNED) anzeiger leuchtet wird.	
Abstimmungen (3) und (4) mehrere Male wiederholen.							
LW - EMPFANGSABTEILUNG(nur KT-1010L) Die MW-Rahmenantenne angebracht lassen. SELECTOR: LW							
(6)	BANDKANTE (1)	—	Einen Gleichspannungsmesser zwischen TP1(VT) und TP2(GND) anschließen.	153kHz	L15	1,5V	(a)
(7)	BANDKANTE (2)	—	Einen Gleichspannungsmesser zwischen TP1(VT) und TP2(GND) anschließen.	281kHz	TC4	8,0V	(a)
Abstimmungen (6) und (7) mehrere Male wiederholen.							
(8)	HF-ABGLEICH (1)	(D) 162kHz 400Hz.30% mod	(B)	162kHz	L13	Maximal Amplitude und Symmetrie des Oszilloskopbildes.	
(9)	HF-ABGLEICH (2)	(D) 270kHz 400Hz.30% mod	(B)	270kHz	TC2	Maximal Amplitude und Symmetrie des Oszilloskopbildes.	
Abstimmungen (8) und (9) mehrere Male wiederholen.							

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ADJUSTMENT/REGLAGES/ABGLEICH



VOLTAGE TABLES

TUNER UNIT
(X05-370X-XX)

IC1	1	2.2V
	2,3	2.3V
	4	—
	5	10.4V
	6	10.5V
	7	12V
	8	0V
	9	3.7V
	10	2.8V
	11	1.5V
	12	1.4V
	13,14	1.7V
	15	2.2V
	16	1.4V
	17	10.2V
	18,19	0V
	20	3.0V
	21,22	2.6V

IC2	1	12V
	2	2.6V
	3	0.1V
	4,5	9.6V
	6,7	4.9V
	8	—
	9	0.7V
	10	2.6V
	11	2.5V
	12-14	2.6V
	15	3.3V
	16	0V

IC3	1	0.94V
	2	1.6V
	3-5	0V
	6,7	—
	8	LW:5V MW:0V
	9	FM:0V MW:5V
	10	0V
	11	2.8V
	12,13	5.3V
	14-16	—

IC4	1-4	—
	5	-22V
	6-20	—
	21	5V
	22-42	—

Q1	G1	0V
	G2	0V
	D	—
	S	—

Q2	E	—
	C	12V
	B	0.6V
	22-42	—

Q9	G	—
	D	3V
	S	—

Q31	E	5.6V
	C	—
	B	—

Q32,33	E	—
	C	5V
	B	—

Q11	E	—
	C	0V
	B	—

Q37	E	5V
	C	—
	B	—

Q16,17	G	—
	D	2.6V
	S	—

TUNER UNIT
(X05-374X-XX)
(X05-372X-XX)

Q20	E	12V
	C	—
	B	—

Q26,27	E	12.5V
	C	—
	B	—

IC1

IC2

IC3

IC4

Q1

Q2

Q3

Q4

Q5

Q6

Q7

Q8

Q9

Q10

Q11

Q12

Q13

Q14

Q15

Q16

Q17

Q18

Q19

Q20

Q21

Q22

Q23

Q24

Q25

Q26

Q27

Q28

Q29

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Q41

Q42

Q43

Q44

Q45

Q46

Q47

Q48

Q49

Q50

Q51

Q52

Q53

Q54

Q55

Q56

Q57

Q58

Q59

Q60

Q61

Q62

Q

PC BOARD (Component side view)

TUNER UNIT (X05-370X-XX)

TUNER UNIT
(X05-370X-XX)

Ref. No.	Q	Address
1		2C
2		2D
3		2D
4		2D
5		2D
6		3D
7		2E
8		2E
9		2E
10		3F
11		2E
12		4F
13		3E
14		3C
15		3C
16		4D
17		3D
18		5D
19		6C
20		6C
21		5C
22		5C
23		3F
24		2F
25		5E
26		5E
27		5E
28		5E
29		5E
30		5E
31		5E
32		6E
33		7F
34		7G
35		6G
36		6G
37		6G
1	2	4E
2	3	2E
3	4	5G

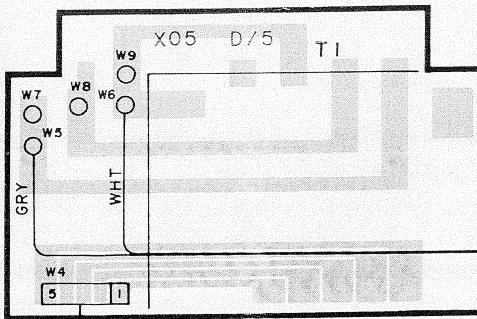
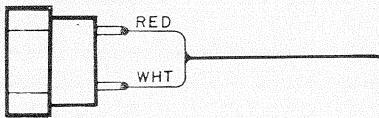
(a) BAND EDGE (1)
FM section
2.5 V

AM-MW section
AM-LW section
1.5 V

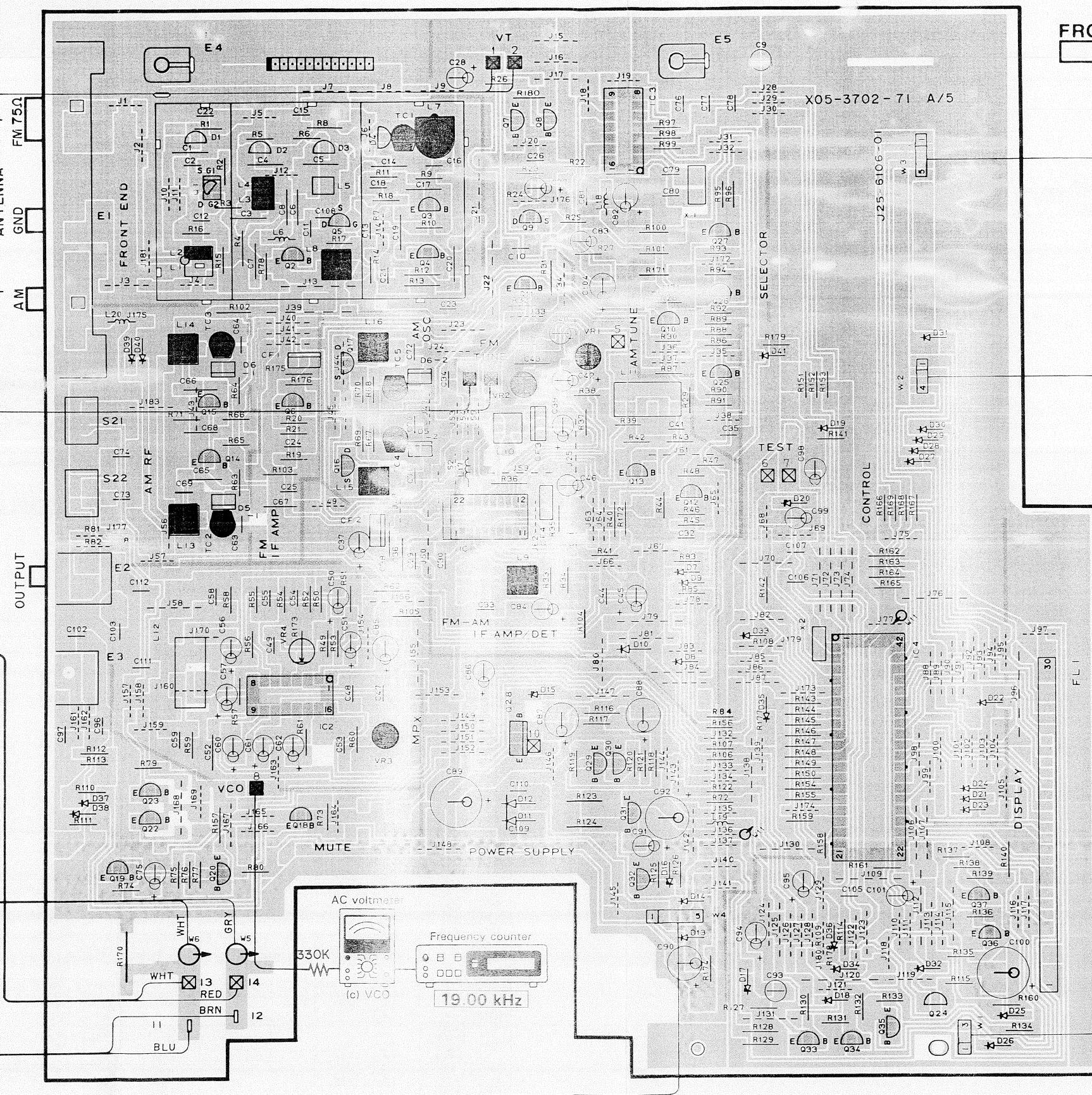
(a) BAND EDGE (2)
8.0 V

(b) DISCRIMINATOR
0 V

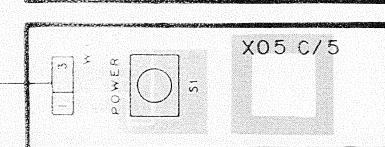
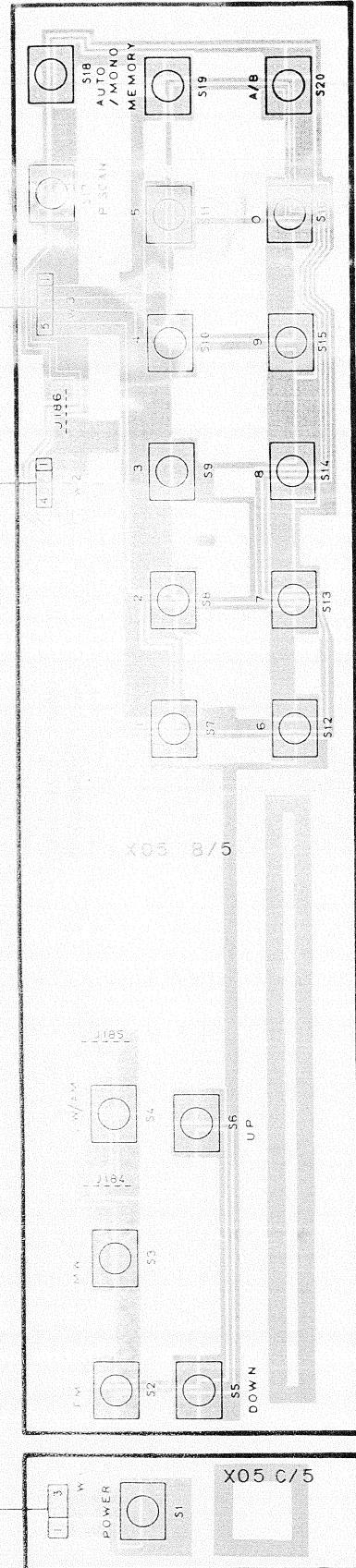
AC OUTLET



AC220V
60Hz



FRONT

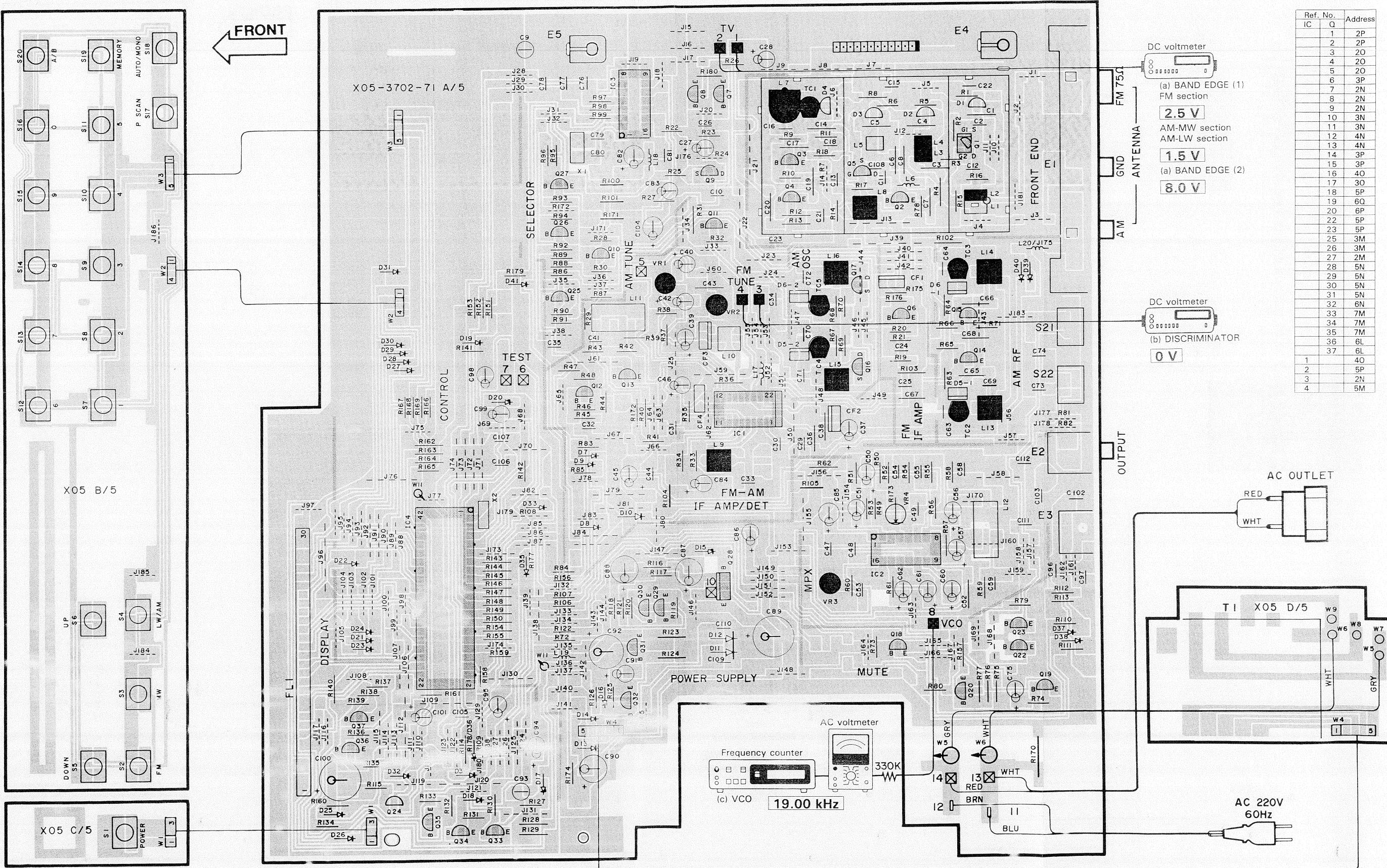


KT-1010L(E)

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Foil side view)

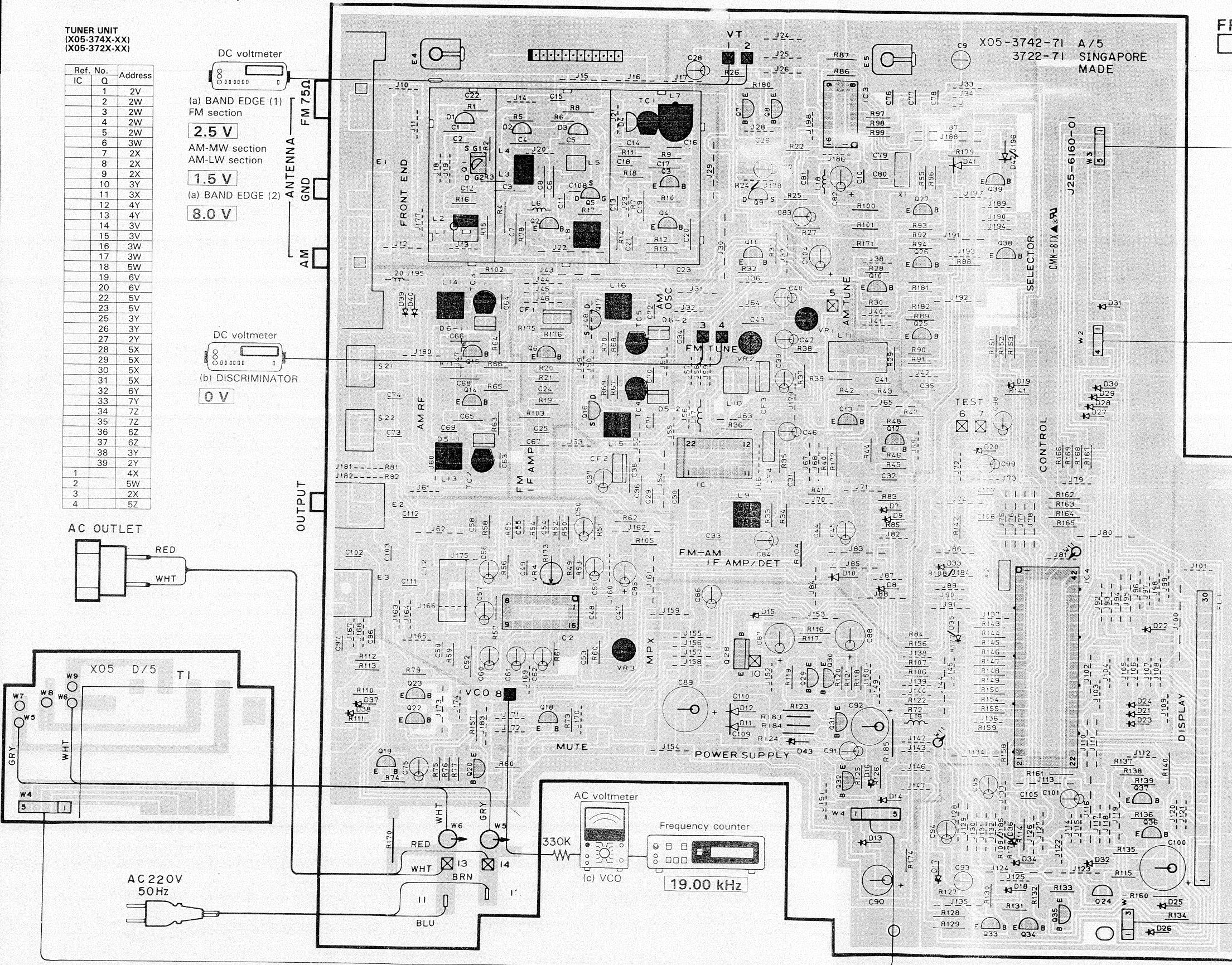
TUNER UNIT (X05-370X-XX)



PC BOARD (Component side view)

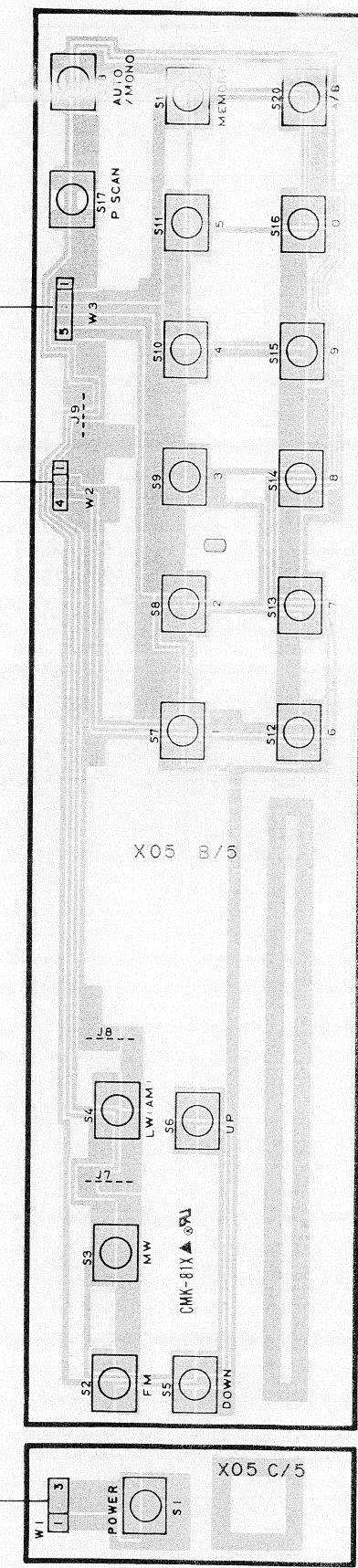
TUNER UNIT (X05-374X-XX) JAPAN MADE
(X05-372X-XX) SINGAPORE MADE

TUNER UNIT (X05-374X-XX) (X05-372X-XX)		
Ref. No.		Address
IC	Q	
1		2V
2		2W
3		2W
4		2W
5		2W
6		3W
7		2X
8		2X
9		2X
10		3Y
11		3X
12		4Y
13		4Y
14		3V
15		3V
16		3W
17		3W
18		5W
19		6V
20		6V
22		5V
23		5V
25		3Y
26		3Y
27		2Y
28		5X
29		5X
30		5X
31		5X
32		6Y
33		7Y
34		7Z
35		7Z
36		6Z
37		6Z
38		3Y
39		2Y
1		4X
2		5W
3		2X
4		5Z



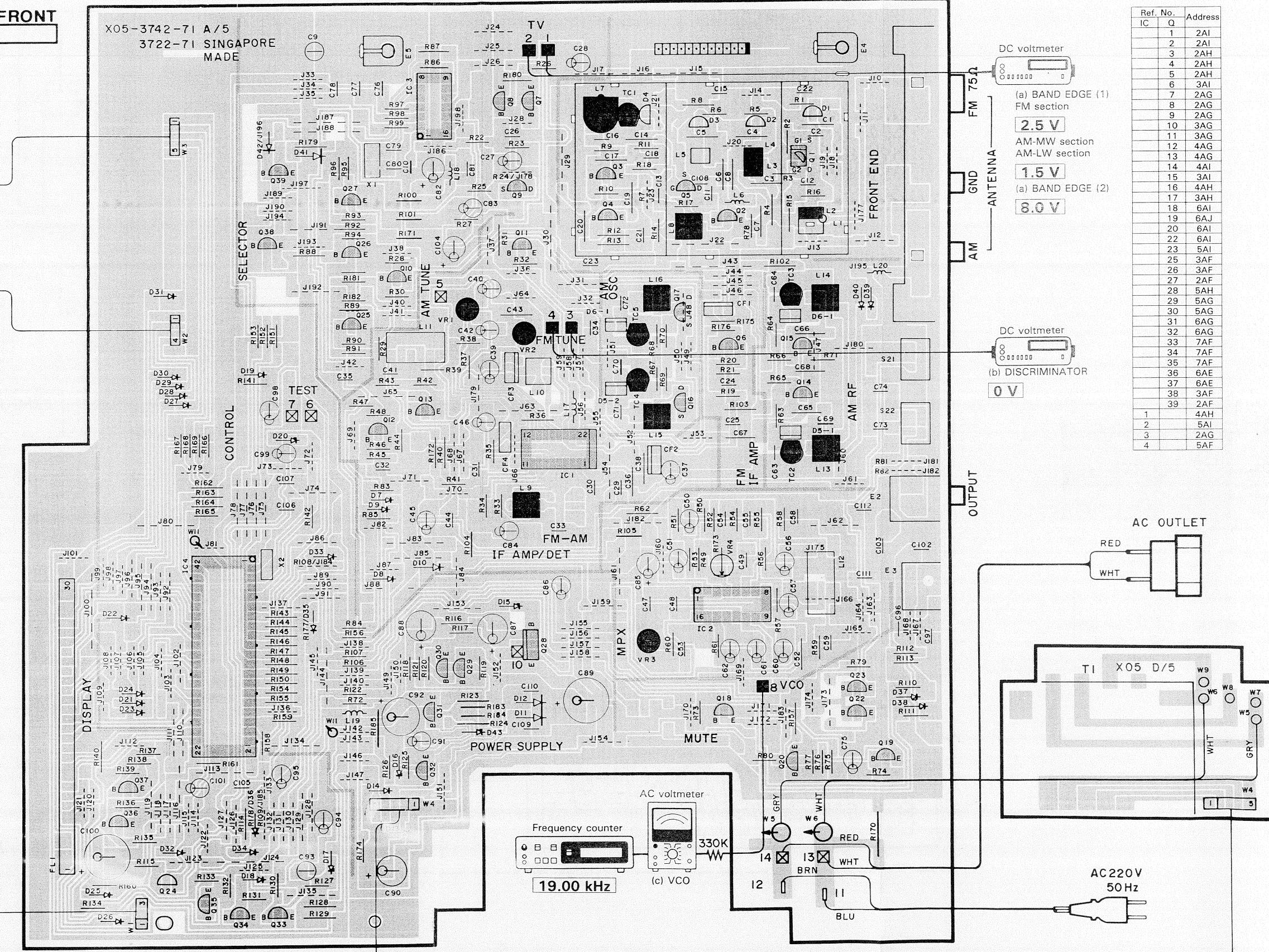
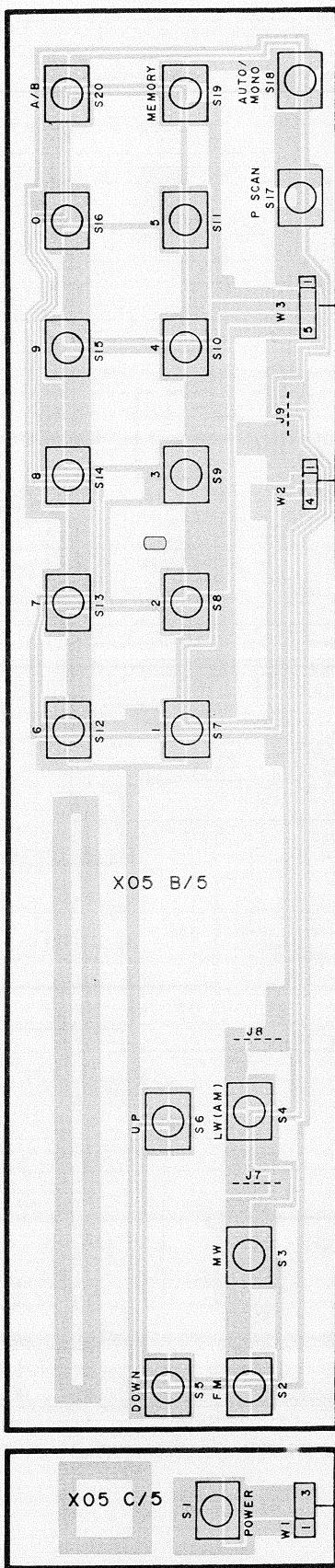
KT-1010L(E) USC

Refer to the schematic diagram for the values of resistors and capacitors.



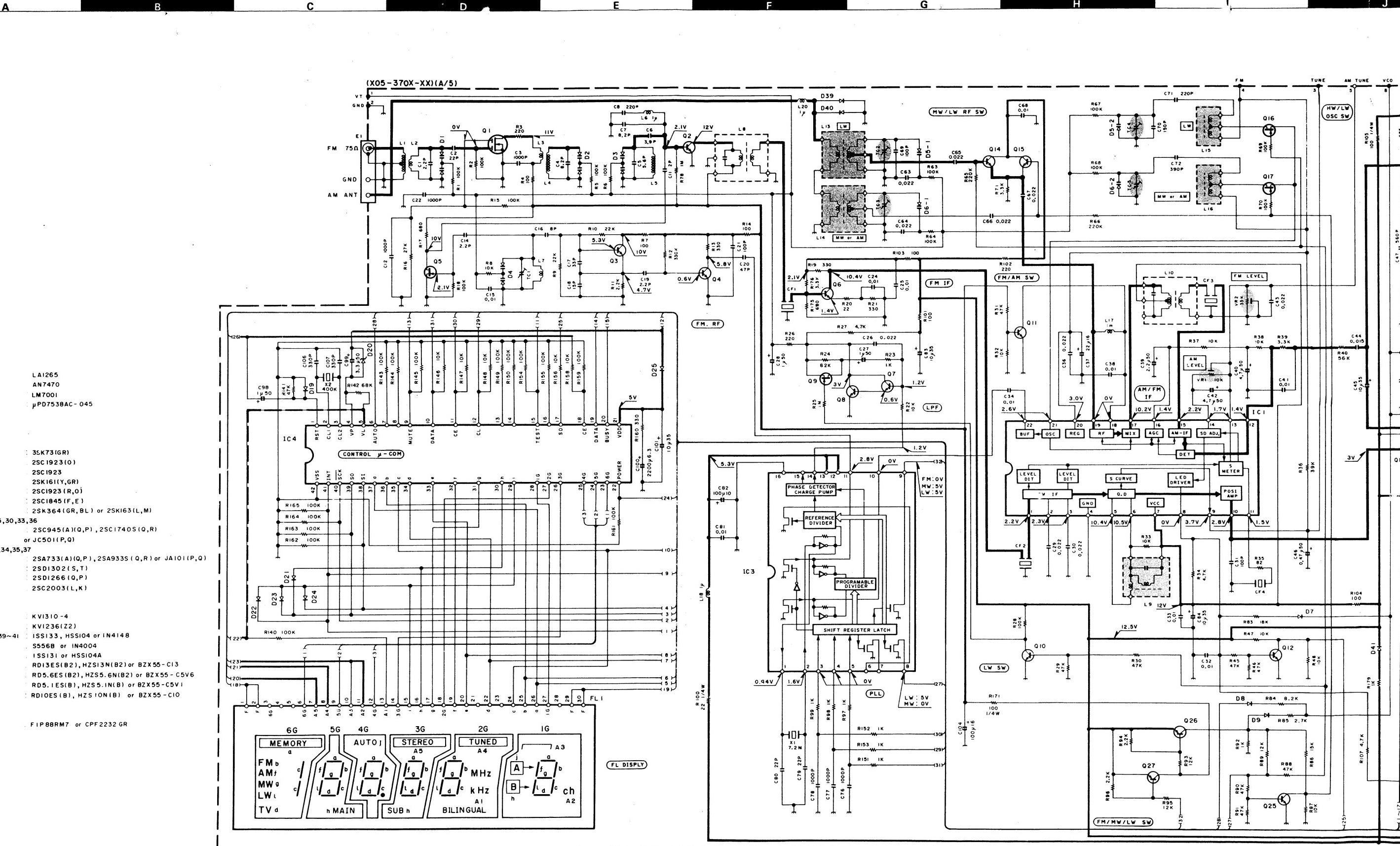
PC BOARD (Foil side view)

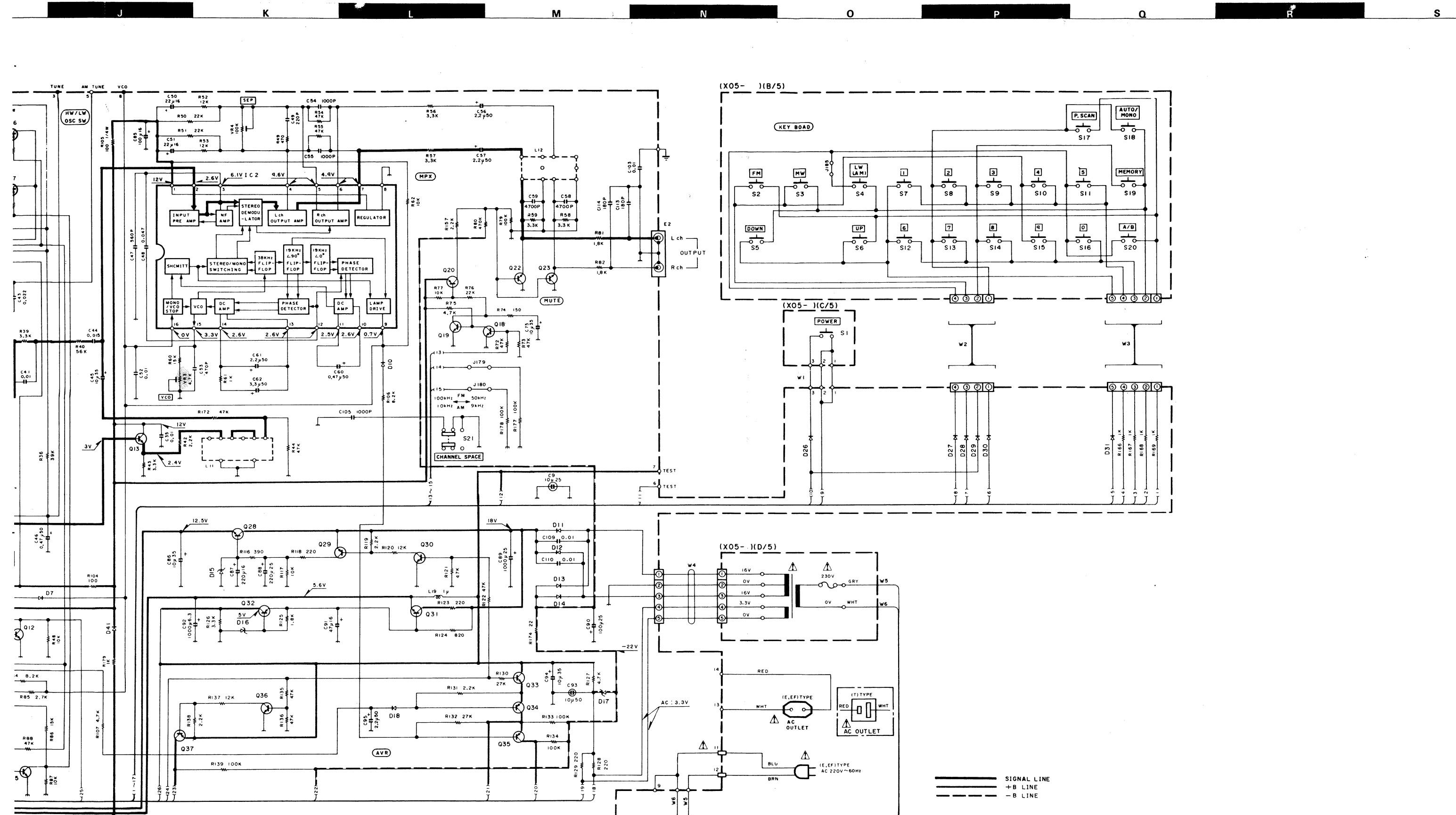
TUNER UNIT (X05-374X-XX) JAPAN MADE
(X05-372X-XX) SINGAPORE MAD



UNER UNIT
(K05-374X-XX)
(K05-372X-XX)

Ref. No.		Address
IC	Q	
	1	2AI
	2	2AI
	3	2AH
	4	2AH
	5	2AH
	6	3AI
	7	2AG
	8	2AG
	9	2AG
10		3AG
11		3AG
12		4AG
13		4AG
14		4AI
15		3AI
16		4AH
17		3AH
18		6AI
19		6AJ
20		6AI
22		6AI
23		5AI
25		3AF
26		3AF
27		2AF
28		5AH
29		5AG
30		5AG
31		6AG
32		6AG
33		7AF
34		7AF
35		7AF
36		6AE
37		6AE
38		3AF
39		2AF
1		4AH
2		5AI
3		2AG
4		5AF





DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

KT-1010(L)
(SANYO)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y07-3170-10

KT-1010/L
KENWOOD

T U V W X Y Z AA AB AC

(X05-374X-XX) (A/5) JAPAN MADE
(X05-372X-XX) (A/5) SINGAPORE MADE

	JAPAN MADE	SINGAPORE MADE
T, E	EF	EF
NO	NO	2-71
X05-374X-XX	2-71	2-73
X05-372X-XX	NO	NO

I C1 LA1265
I C2 AN7470
I C3 CX7925B
I C4 μ PD7538AC-041

01 3SK73(GR)
02 2SC1923(O)
03,4 2SC1923
05 2SK161(Y,GR)
06 2SC1923(R,O)
07,8 2SC1845(F,E)
09,16,17 2SK163(L,M)
10~15,18,19,30,33,36,38,39 2SC945(A)(Q,P), 2SC1740S(Q,R)

4 20,25~27,29,32,34,35,37 2SA733(A)(Q,P), 2SA933S(Q,R)

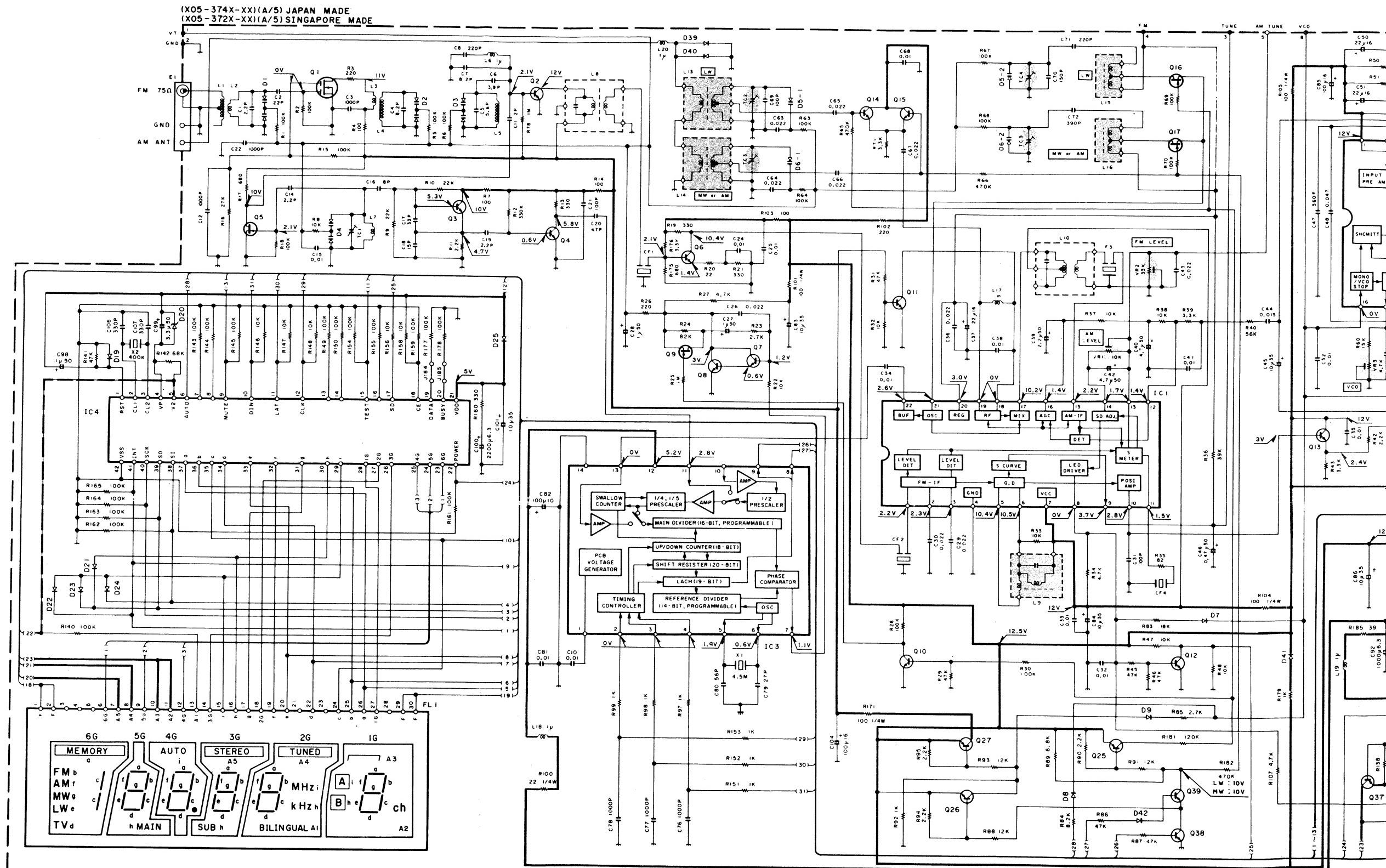
Q22,23 2SD1302(S,T)
Q28 2SD1266(O,P)
Q31 2SC2003(L,K)

D1~4 KVI310-4
D5,6 KVI236(Z2)

D7~10,18,19,21~31,39~42

ISS133 or HSS104
S556B or IN4004
ISS131 or HSS104A
RD13ES(B2), HZS13N(B2) or BZX55-C13
RD5.6ES(B2), HZS5.6N(B2) or BZX55-C5V6
RD5.1ES(B1), HZS5.1N(B1) or BZX55-C5V1
RD10ES(B1), HZS10N(B1) or BZX55-C10
RD6.2ES(B2), HZS6.2N(B2) or BZX55-C6V2

F1P88RM7 or CPF2232 GR



JA101
JC501
2SA733
2SC1845
2SC1923
2SC2003
2SD1302

2SD1266

9 16 8

22 9

AN7470

21 1

22 16 9 8 21 21

22 21

22 21

3SK73

22 21

22 21

CX7925B

8 14 7

LA1265

14 1

AC

AD

AE

AF

AG

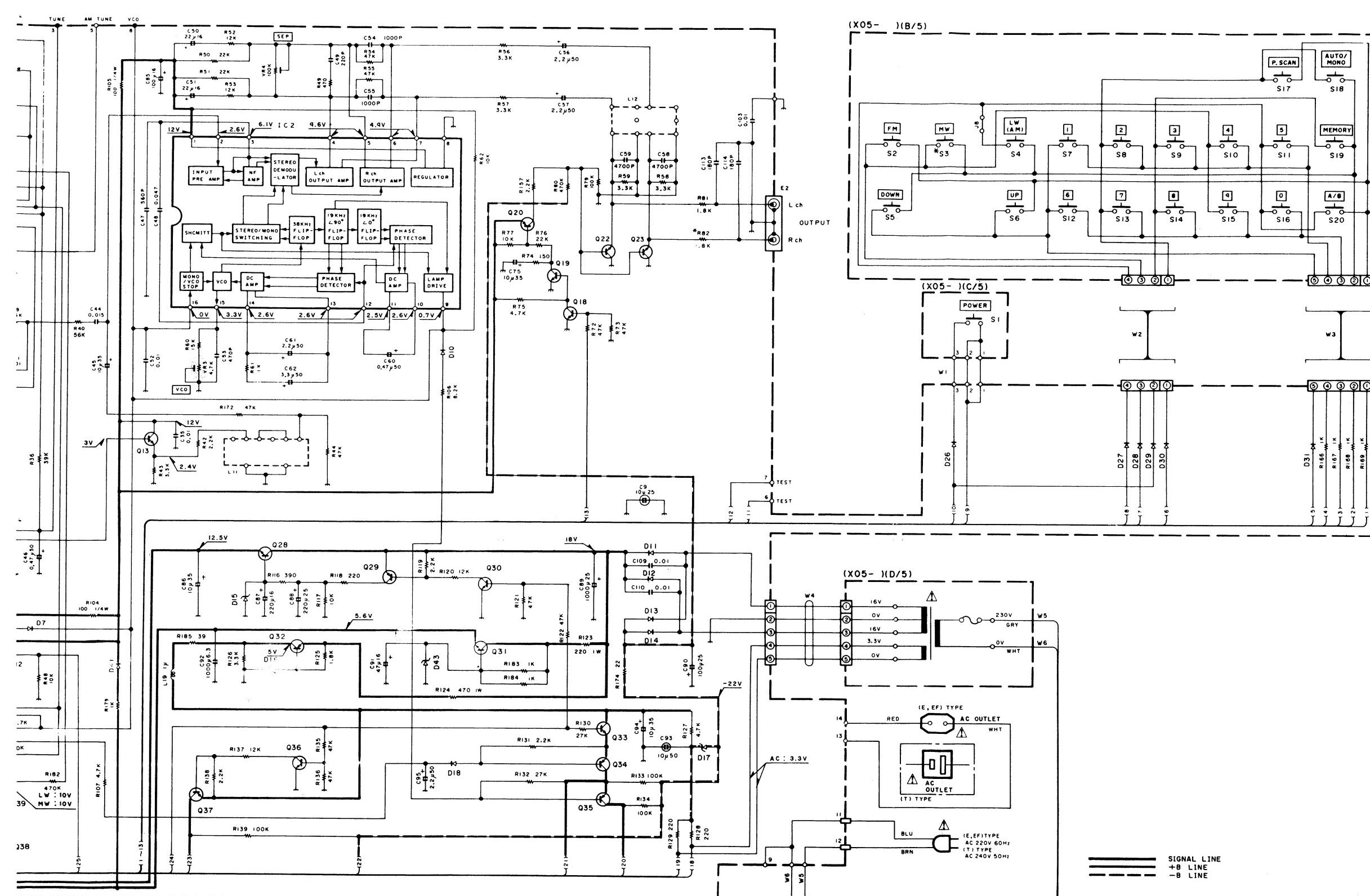
AH

AI

AJ

AK

AL



DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT.

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KT-1010L(E) USC

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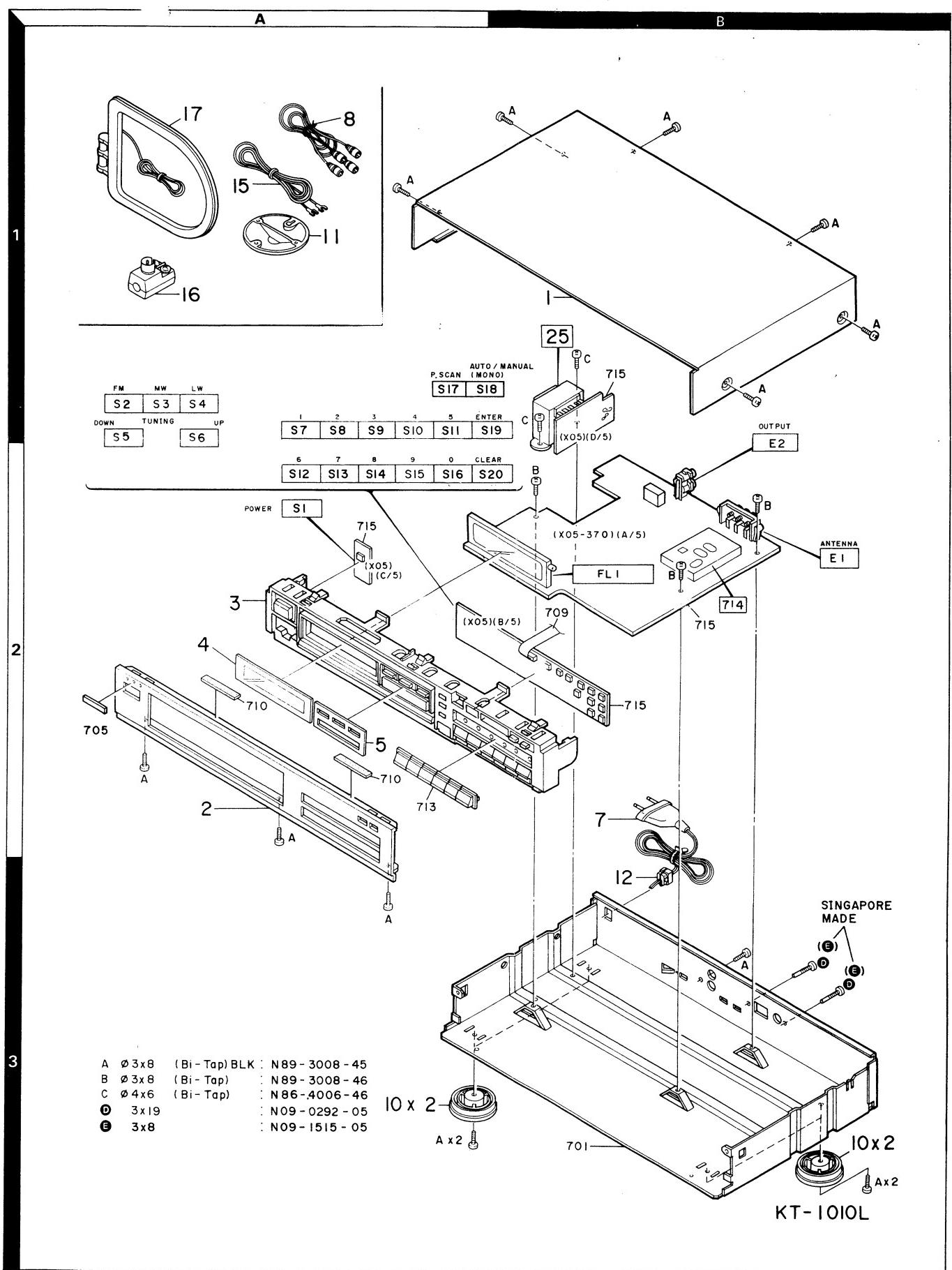
Y07-3190-10

KT-1010/L

KENWOOD

KT-1010/L

EXPLODED VIEW



KT-1010/L

PARTS LIST

* New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation	Re- marks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
KT-1010						
1	1B	*	A01-1770-01	METALLIC CABINET	TE	
1	1B	*	A01-1771-01	METALLIC CABINET	EE	
1	2A	*	A20-5807-02	PANEL		
3	2A		A22-1069-01	SUB PANEL		
4	2A		B03-2514-04	DRESSING PLATE		
5	2A		B03-2534-04	DRESSING PLATE		
-			B46-0122-13	WARRANTY CARD	E	
-			B46-0139-03	WARRANTY CARD	EE	
-			B46-0143-03	WARRANTY CARD	T	
-			B50-9413-00	INSTRUCTION MANUAL (ENGLISH)	TE	
-		*	B50-9415-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B50-9588-00	INSTRUCTION MANUAL (ENGLISH)	EE	
-		*	B50-9590-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B50-9591-00	INSTRUCTION MANUAL (G,D,I)	EE	
-		*	B50-9706-00	INSTRUCTION MANUAL (G,D,I)	E	
-		*	B58-0803-13	CAUTION CARD	EEE	
△	7	2B	E30-0459-05	AC POWER CORD	EE	
△	7	2B	E30-1416-05	AC POWER CORD	E	
8	1A		E30-0505-05	AUDIO CORD	T	
-			H01-8494-04	ITEM CARTON CASE	TE	
-		*	H01-8495-04	ITEM CARTON CASE	EE	
-		*	H10-3780-02	POLYSTYRENE FOAMED FIXTURE	E	
-		*	H25-0223-04	PROTECTION BAG (750X350X0.03)	EE	
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	E	
10	3A,3B		J02-1024-05	FOOT		
11	1A		J19-2815-04	ANTENNA HOLDER		
12	3B		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
A	1B,3B		N89-3008-45	BINDING HEAD TAPPIE SCREW		
B	2B		N89-3008-46	BINDING HEAD TAPPIE SCREW		
C	1B	*	N86-4006-46	BINDING HEAD TAPPIE SCREW		
D	3B	*	N09-0292-05	STEPPED SCREW (3X19)		
15	1A		T90-0132-05	T TYPE ANTENNA		
16	1A		T90-0136-05	ANTENNA ADAPTER		
17	1A		T90-0153-05	LOOP ANTENNA		
17	1A		T90-0173-05	LOOP ANTENNA	EE	
				LOOP ANTENNA	TE	
				LOOP ANTENNA	J	
KT-1010L						
1	1B	*	A01-1622-01	METALLIC CABINET	TE	S
1	1B	*	A01-1770-01	METALLIC CABINET	EE	J
1	1B	*	A01-1771-01	METALLIC CABINET		
2	2A		A20-5807-02	PANEL		
3	2A		A22-1069-01	SUB PANEL		
4	2A		B03-2514-04	DRESSING PLATE		
4	2A		B03-2534-04	DRESSING PLATE		
5	2A		B03-2540-04	DRESSING PLATE		
-			B03-2544-04	DRESSING PLATE		
-			B46-0122-13	WARRANTY CARD	E	
-			B46-0139-03	WARRANTY CARD	EE	
-			B46-0143-03	WARRANTY CARD	T	
-			B50-9413-00	INSTRUCTION MANUAL (ENGLISH)	TE	
-		*	B50-9415-00	INSTRUCTION MANUAL (FRENCH)	E	

E: Scandinavia & Europe K: USA P: Canada W:Europe

U: PX(Far East, Hawaii) T: England M: Other Areas

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S: SINGAPORE MADE

△ indicates safety critical components.

KT-1010/L

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Ref. No.	Address	New Parts	Parts No.	Description	Desti- nation	Re- marks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
TUNER UNIT (X05-370X-XX: 2-71: T, E, 2-73: EF)						
C1			C91-0713-05	CERAMIC	2.2PF	K
C2			CC45FSL1H220J	CERAMIC	22PF	J
C3			C91-0757-05	CERAMIC	1000PF	K
C4			C91-0720-05	CERAMIC	8.2PF	K
C5			C91-0718-05	CERAMIC	5.6PF	K
C6			C91-0716-05	CERAMIC	3.9PF	K
C7			C91-0720-05	CERAMIC	8.2PF	K
C8			C91-0749-05	CERAMIC	220PF	K
C9			C90-1332-05	NP-ELEC	10UF	25WV
C11			CC45FSL1H020C	CERAMIC	2.0PF	C
C12			CK45FB1H102K	CERAMIC	1000PF	K
C14			C91-0713-05	CERAMIC	2.2PF	K
C15			CK45FF1H103Z	CERAMIC	0.010UF	Z
C16			CC45FU1H080D	CERAMIC	8.0PF	D
C17			C91-0733-05	CERAMIC	33PF	J
C18			CC45FSL1H150J	CERAMIC	15PF	J
C19			C91-0713-05	CERAMIC	2.2PF	K
C20			C91-0737-05	CERAMIC	47PF	J
C21			CC45FSL1H101J	CERAMIC	100PF	J
C22			CK45FB1H102K	CERAMIC	1000PF	K
C24	+25		CK45FF1H103Z	CERAMIC	0.010UF	Z

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Ref. No. 参考番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C26			CK45FF1H223Z	CERAMIC 0.022UF Z		
C27 ,28			CEO4KW1H010M	ELECTRQ 1.0UF 50WV		
C29 ,30			CK45FF1H223Z	CERAMIC 0.022UF Z		
C31			CC45FSL1H101J	CERAMIC 100PF J		
C32 -35			CK45FF1H103Z	CERAMIC 0.010UF Z		
C36			C91-0085-05	CERAMIC 0.022UF N		
C37			CEO4KW1C220M	ELECTRQ 22UF 16WV		
C38			C91-0769-05	CERAMIC 0.01UF M		
C39 *			CEO4KW1H2R2M	ELECTRQ 2.2UF 50WV		
C40			CEO4KW1H4R7M	ELECTRQ 4.7UF 50WV		
C41			CK45FF1H103Z	CERAMIC 0.010UF Z		
C42			CEO4KW1H4R7M	ELECTRQ 4.7UF 50WV		
C43			C91-0085-05	CERAMIC 0.022UF N		
C44			CF92FV1H153J	MF 0.015UF J		
C45			CEO4KW1V100M	ELECTRQ 10UF 35WV		
C46			CEO4KW1H4R7M	ELECTRQ 0.47UF 50WV		
C47			CK45FB1H561K	CERAMIC 560PF K		
C48			CF92FV1H473J	MF 0.047UF J		
C49			CC45FSL1H221J	CERAMIC 220PF J		
C50 ,51			CEO4KW1C220M	ELECTRQ 22UF 16WV		
C52			C91-0769-05	CERAMIC 0.01UF M		
C53			CC93FC1H471J	CERAMIC 470PF J		
C54 ,55			CK45FB1H102K	CERAMIC 1000PF K		
C56 ,57		*	CEO4KW1H2R2M	ELECTRQ 2.2UF 50WV		
C58 ,59			CF92FV1H472J	MF 700PF J		
C60			CEO4KW1H4R7M	ELECTRQ 0.47UF 50WV		
C61			CEO4KW1H2R2M	ELECTRQ 2.2UF 50WV		
C62			CEO4KW1H3R3M	ELECTRQ 3.3UF 50WV		
C63 ,64			CK45FF1H223Z	CERAMIC 0.022UF Z		
C65 -67			C91-0085-05	CERAMIC 0.022UF N		
C68			C91-0769-05	CERAMIC 0.01UF M		
C69			CC45FT1H101J	CERAMIC 100PF J		
C70			CC45FC1H151J	CERAMIC 150PF J		
C71			CC93FC1H221J	CERAMIC 220PF J		
C72			CC93FC1H391J	CERAMIC 390PF J		
C75			CEO4KW1V100M	ELECTRQ 1UF 35WV		
C76 -78			CK45FB1H102K	CERAMIC 1000PF K		
C79 ,80			CC45FC1H1220J	CERAMIC 22PF J		
C81			CK45FF1H103Z	CERAMIC 0.010UF Z		
C82			CEO4KW1A101M	ELECTRQ 100UF 10WV		
C83 ,84			CEO4KW1V100M	ELECTRQ 10UF 35WV		
C85		*	CEO4KW1C101M	ELECTRQ 1000UF 16WV		
C86			CEO4KW1V100M	ELECTRQ 10UF 35WV		
C87		*	CEO4KW1C221M	ELECTRQ 220UF 16WV		
C88			CEO4KW1E221M	ELECTRQ 220UF 25WV		
C89			CEO4KW1E102M	ELECTRQ 1000UF 25WV		
C90			CEO4KW1E101M	ELECTRQ 100UF 25WV		
C91			CEO4KW1C470M	ELECTRQ 4.7UF 16WV		
C92			CEO4KW0J102M	ELECTRQ 1000UF 6.3WV		
C93			C90-1400-05	NP-ELEC 10UF 50WV		
C94			CEO4KW1V100M	ELECTRQ 10UF 35WV		
C95		*	CEO4KW1H2R2M	ELECTRQ 2.2UF 50WV		
C98			CEO4KW1H010M	ELECTRQ 1.0UF 50WV		
C99			CEO4KW1H3R3M	ELECTRQ 3.3UF 50WV		
C100		*	CEO4KW0J222M	ELECTRQ 2200UF 6.3WV		

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Ref. No. 参考番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C101			CE04KW1V100M	ELECTRQ 10UF 35WV		
C103			CK45FF1H103Z	CERAMIC 0.010UF Z		
C104			CEO4KW1C101M	ELECTRQ 100UF 16WV		
C106,107			CC45FSL1H331J	CERAMIC 330PF J		
C109,110			CK45FF1H103Z	CERAMIC 0.010UF Z		
C113,114			CC45FSL1H181J	CERAMIC 180PF J		
TC1			C05-0302-05	CERAMIC TRIMMER CAPACITOR(11PF)		
TC2			C05-0097-05	CERAMIC TRIMMER CAPACITOR(30PF)		
TC3			C05-0303-05	CERAMIC TRIMMER CAPACITOR(20PF)		
TC4			C05-0097-05	CERAMIC TRIMMER CAPACITOR(30PF)		
TC5			C05-0303-05	CERAMIC TRIMMER CAPACITOR(20PF)		
E1	2B		E20-0318-05	SCREW TERMINAL BOARD(2P)		
E2	1B		E13-0235-05	PHONE JACK (2P)		
△ 25	1B		L01-5832-05	POWER TRANSFORMER		
△ 25	1B		L01-8642-05	POWER TRANSFORMER		
CF1 ,2			L72-0536-05	CERAMIC FILTER		
CF3			L72-0099-05	CERAMIC FILTER		
CF4			L72-0096-05	CERAMIC FILTER		
L1			L31-0581-05	FM-RF COIL		
L2			L31-0520-05	FM-RF COIL		
L3			L31-0580-05	FM-RF COIL		
L4 ,5			L31-0579-05	FM-RF COIL		
L6			L40-1092-17	SMALL FIXED INDUCTOR(1UH,M)		
L7			L32-0318-05	FM OSCILLATING COIL		
L8			L30-0427-15	FM IFT		
L9			L30-0439-15	FM IFT		
L10			L30-0362-05	AM IFT		
L11			L79-0125-05	LC FILTER		
L12			L79-0750-05	LC FILTER		
L13			L31-0499-05	LW-RF COIL		
L14			L31-0509-05	MW-RF COIL		
L15			L32-0288-05	LW OSCILLATING COIL		
L16			L32-0277-15	MW OSCILLATING COIL		
L17			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L18 -20			L40-1092-17	SMALL FIXED INDUCTOR(1UH,M)		
X1			L77-1122-05	CRYSTAL RESONATOR		
X2			L78-0202-05	RESONATOR (400KHZ)		
R100			RD14GB2E220J	FL-PR00F RD 22 J 1/4W		
R101			RD14GB2E101J	FL-PR00F RD 100 J 1/4W		
R104,105			RD14GB2E101J	FL-PR00F RD 100 J 1/4W		
R123			RS14KB3A221J	FL-PR00F RS 220 J 1W		
R124			RS14KB3A821J	FL-PR00F RS 820 J 1W		
R171			RD14GB2E101J	FL-PR00F RD 100 J 1/4W		
VR1			R12-3126-05	TRIMMING POT. (10K)		
VR2			R12-3130-05	TRIMMING POT. (33K)		
VR3			R12-1089-05	TRIMMING POT. (4.7K)		
VR4			R12-5058-05	TRIMMING POT. (100K)		
S1 -20	1A,2A		S40-1064-05	PUSH SWITCH		
D1 -4			CPF2232GR KV1310-4	FLUORESCENT INDICATOR TUBE		
D5 ,6			KV1236(Z2)	VARIABLE CAPACITANCE DIODE		
D7 -10			HSS104	VARIABLE CAPACITANCE DIODE		
D7 -10			IN4148	DIODE		

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Ref. No.	Address	New Parts	Parts No.	Description	Desti-nation	Re-marks
参考番号	位置	新	部品番号	部品名 / 規格	仕向	備考
D7 -10			ISS133	DIODE	TE	
D11 ,12			S5566B	DIODE	TE	
D11 ,12			1N4004	DIODE	EF	
D13 ,14			HSS104A	DIODE		
D13 ,14			ISS131	DIODE		
D15			BZX55-C13	DIODE	EF	
D15			HZS13N(B2)	ZENER DIODE	TE	
D15			RD13ES(B2)	ZENER DIODE	TE	
D16			BZX55-C5V6	DIODE	EF	
D16			HZS5.6N(B2)	ZENER DIODE	TE	
D16			RD5.6ES(B2)	ZENER DIODE	TE	
D17			BZX55-C5V1	DIODE	EF	
D17			HZS5.1N(B)	ZENER DIODE	TE	
D17			RD5.1ES(B)	ZENER DIODE	TE	
D18 ,19			HSS104	DIODE	TE	
D18 ,19			1N4148	DIODE	EF	
D20			ISS133	DIODE	TE	
D20			BZX55-C10	DIODE	EF	
D20			HZS10N(B)	ZENER DIODE	TE	
D20			RD10ES(B)	ZENER DIODE	TE	
D21 -31			HSS104	DIODE	TE	
D21 -31			1N4148	DIODE	EF	
D21 -31			ISS133	DIODE	TE	
D39 -41			HSS104	DIODE	TE	
D39 -41			1N4148	DIODE	EF	
D39 -41	2B		ISS133	DIODE	TE	
FL1	2B		FIP0BRM?	FLUORESCENT INDICATOR TUBE		
IC1			LA1265	IC(FM/AM TUNER)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
IC4			UPD753BAC-045	IC(MICROPROCESSOR)		
01			3SK73(GR)	FET		
02			2SC1923(N)	TRANSISTOR		
03 ,4			2SC1923	TRANSISTOR		
05			2SK161(Y,GR)	FET		
06			2SC1923(R,Q)	TRANSISTOR		
07			2SC1845(F,E)	TRANSISTOR		
08			JC501(P,Q)	TRANSISTOR		
08			2SC1740S(Q,R)	TRANSISTOR	EF	
08			2SC945(A)(Q,P)	TRANSISTOR	TE	
09			2SK163(L,M)	FET	TE	
09			2SK364(GR,BL)	FET		
010 -15			JC501(P,Q)	TRANSISTOR	EF	
010 -15			2SC1740S(Q,R)	TRANSISTOR	TE	
010 -15			2SC945(A)(Q,P)	TRANSISTOR	TE	
016 ,17			2SK163(L,M)	FET	TE	
016 ,17			2SK364(GR,BL)	FET		
018 ,19			JC501(P,Q)	TRANSISTOR	EF	
018 ,19			2SC1740S(Q,R)	TRANSISTOR	TE	
018 ,19			2SC945(A)(Q,P)	TRANSISTOR	TE	
020			JA101(P,Q)	TRANSISTOR	EF	
020			2SA733(A)(Q,P)	TRANSISTOR	TE	
020			2SA933S(Q,R)	TRANSISTOR	TE	
022 ,23			2SD1302(S,T)	TRANSISTOR		
025			JC501(P,Q)	TRANSISTOR	EF	

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参考番号	位置	新	部品番号	部品名 / 規格	仕向	備考
Q25			2SC1740S(Q,R)	TRANSISTOR	TE	
Q25			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q26 ,27			JA101(P,Q)	TRANSISTOR	EE	
Q26 ,27			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q26 ,27			2SA933S(Q,R)	TRANSISTOR	TE	
Q28			2SD1266(Q,P)	TRANSISTOR		
Q29			JA101(P,Q)	TRANSISTOR	EE	
Q29			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q29			2SA933S(Q,R)	TRANSISTOR	TE	
Q30			JC501(P,Q)	TRANSISTOR	EE	
Q30			2SC1740S(Q,R)	TRANSISTOR	TE	
Q30			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q31			2SC2003(L,K)	TRANSISTOR		
Q32			JA101(P,Q)	TRANSISTOR	EE	
Q32			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q32			2SA933S(Q,R)	TRANSISTOR	TE	
Q33			JC501(P,Q)	TRANSISTOR	EE	
Q33			2SC1740S(Q,R)	TRANSISTOR	TE	
Q33			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q34 ,35			JA101(P,Q)	TRANSISTOR	EE	
Q34 ,35			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q34 ,35			2SA933S(Q,R)	TRANSISTOR	TE	
Q36			JC501(P,Q)	TRANSISTOR	EE	
Q36			2SC1740S(Q,R)	TRANSISTOR	TE	
Q36			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q37			JA101(P,Q)	TRANSISTOR	EE	
Q37			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q37			2SA933S(Q,R)	TRANSISTOR	TE	
TUNER UNIT (X05-374X-XX: 2-71: T, E, 2-73: EF)						
C1			C91-0713-05	CERAMIC	2.2PF	K
C2			CC45FSL1H22L	CERAMIC	22PF	J
C3			C91-0757-05	CERAMIC	1000PF	K
C4			C91-0720-05	CERAMIC	8.2PF	K
C5			C91-0718-05	CERAMIC	5.6PF	K
C6			C91-0716-05	CERAMIC	3.9PF	K
C7			C91-0720-05	CERAMIC	8.2PF	K
C8			C91-0749-05	CERAMIC	220PF	K
C9			C90-1332-05	NP-ELEC	10UF	25WV
C10			CK45FF1H103Z	CERAMIC	0.010UF	Z
C11			CC45FSL1H020C	CERAMIC	2.0PF	C
C12			CK45FB1H102K	CERAMIC	1000PF	K
C14			C91-0713-05	CERAMIC	2.2PF	K
C15			CK45FF1H103Z	CERAMIC	0.010UF	Z
C16			CC45FUJ1H080D	CERAMIC	8.0PF	D
C17			C91-0733-05	CERAMIC	33PF	J
C18			CC45FSL1H150J	CERAMIC	15PF	J
C19			C91-0713-05	CERAMIC	2.2PF	K
C20			C91-0737-05	CERAMIC	47PF	J
C21			CC45FSL1H101J	CERAMIC	100PF	J
C22			CK45FB1H102K	CERAMIC	1000PF	K
C24 ,25			CK45FF1H103Z	CERAMIC	0.010UF	Z
C6			CK45FF1H223Z	CERAMIC	0.022UF	Z
C7 ,28			CEO4KW1H010M	ELECTRO	1.0UF	50WV
C9 ,30			CK45FF1H223Z	CERAMIC	0.022UF	Z

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Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規 格			Desti- nation 仕 向	Re- marks 備考
C31			CC45FSL1H101J	CERAMIC	100PF	J		
C32 -35			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C36			C91-0085-05	CERAMIC	0.022UF	N		
C37			CEO4KW1C220M	ELECTRO	22UF	16WV		
C38			C91-0769-05	CERAMIC	0.01UF	M		
C39		*	CEO4KW1H2R2M	ELECTRO	2.2UF	50WV		
C40			CEO4KW1H4R7M	ELECTRO	4.7UF	50WV		
C41			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C42			CEO4KW1H4R7M	ELECTRO	4.7UF	50WV		
C43			C91-0085-05	CERAMIC	0.022UF	N		
C44			CF92FV1H153J	MF	0.015UF	J		
C45			CEO4KW1V100M	ELECTRO	10UF	35WV		
C46			CEO4KW1HR47M	ELECTRO	0.47UF	50WV		
C47			CK45FB1H561K	CERAMIC	560PF	K		
C48			CF92FV1H473J	MF	0.047UF	J		
C49			CC45FSL1H221J	CERAMIC	220PF	J		
C50 ,51			CEO4KW1C220M	ELECTRO	22UF	16WV		
C52			C91-0769-05	CERAMIC	0.01UF	M		
C53			CC93FC1H1471J	CERAMIC	470PF	J		
C54 ,55			CK45FB1H102K	CERAMIC	1000PF	K		
C56 ,57		*	CEO4KW1H2R2M	ELECTRO	2.2UF	50WV		
C58 ,59			CF92FV1H472J	MF	4700PF	J		
C60			CEO4KW1HR47M	ELECTRO	0.47UF	50WV		
C61		*	CEO4KW1H2R2M	ELECTRO	2.2UF	50WV		
C62			CEO4KW1H3R3M	ELECTRO	3.3UF	50WV		
C63 ,64			CK45FF1H223Z	CERAMIC	0.022UF	Z		
C65 -67			C91-0085-05	CERAMIC	0.022UF	N		
C68			C91-0769-05	CERAMIC	0.01UF	M		
C69			CC45FT1H101J	CERAMIC	100PF	J		
C70			CC45FC1H151J	CERAMIC	150PF	J		
C71			CC93FC1H221J	CERAMIC	220PF	J		
C72			CC93FC1H391J	CERAMIC	390PF	J		
C75			CEO4KW1V100M	ELECTRO	10UF	35WV		
C76 -78			CK45FB1H102K	CERAMIC	1000PF	K		
C79			CC45FC1H1270J	CERAMIC	27PF	J	TE	
C80			CC45FC1H560J	CERAMIC	56PF	J	TE	
C81			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C82			CEO4LW1A101M	ELECTRO	100UF	10WV		
C83 ,84		*	CEO4KW1V100M	ELECTRO	10UF	35WV		
C85			CEO4KW1C101M	ELECTRO	1000UF	16WV		
C86			CEO4KW1V100M	ELECTRO	10UF	35WV		
C87		*	CEO4KW1C221M	ELECTRO	220UF	16WV		
C88			CEO4KW1E221M	ELECTRO	220UF	25WV		
C89			CEO4KW1E102M	ELECTRO	1000UF	25WV		
C90			CEO4KW1E101M	ELECTRO	100UF	25WV		
C91			CEO4KW1C470M	ELECTRO	47UF	16WV		
C92			CEO4KW0J102M	ELECTRO	1000UF	6.3WV		
C93			C90-1400-05	NP-ELEC	10UF	50WV		
C94			CEO4KW1V100M	ELECTRO	10UF	35WV		
C95		*	CEO4KW1H2R2M	ELECTRO	2.2UF	50WV		
C98			CEO4KW1H010M	ELECTRO	1.0UF	50WV		
C99			CEO4KW1H3R3M	ELECTRO	3.3UF	50WV		
C100		*	CEO4KW0J222M	ELECTRO	2200UF	6.3WV		
C101			CEO4KW1V100M	ELECTRO	10UF	35WV		
C103			CK45FF1H103Z	CERAMIC	0.010UF	Z		

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C104 C106,107 C109,110 C113,114 TC1		*	CE04KW1C101M CC45FSL1H331J CK45FF1H103Z CC45FSL1H191J C05-0302-05	ELECTRO 100UF 16WU CERAMIC 330PF J CERAMIC 0.010UF Z CERAMIC 180PF J CERAMIC TRIMMER CAPACITOR(11PF)		
TC2			C05-0097-05	CERAMIC TRIMMER CAPACITOR(30PF)		
TC3			C05-0303-05	CERAMIC TRIMMER CAPACITOR(20PF)		
TC4			C05-0097-05	CERAMIC TRIMMER CAPACITOR(30PF)		
TC5			C05-0303-05	CERAMIC TRIMMER CAPACITOR(20PF)		
E1	2B		E20-0318-05	SCREW TERMINAL BOARD(2P)		
E2	1B		E13-0235-05	PHONE JACK (2P)		
CF1 ,2			L01-5832-05	POWER TRANSFORMER		
CF3			L01-8642-05	POWER TRANSFORMER		
CF4			L72-0536-05	CERAMIC FILTER		
			L72-0099-05	CERAMIC FILTER		
			L72-0096-05	CERAMIC FILTER		
L1			L31-0581-05	FM-RF COIL		
L1			L31-0594-05	FM-RF COIL	J	S
L2			L31-0520-05	FM-RF COIL		
L3			L31-0580-05	FM-RF COIL		
L4 ,5			L31-0579-05	FM-RF COIL		
L6			L40-1092-17	SMALL FIXED INDUCTOR(1UH,M)		
L7			L32-0318-05	FM OSCILLATING COIL		
L8			L30-0427-15	FM IFT		
L9			L30-0439-15	FM IFT		
L10			L30-0362-05	AM IFT		
L11			L79-0125-05	LC FILTER		
L12			L79-0750-05	LC FILTER		
L13			L31-0499-05	LW-RF COIL		
L14			L31-0509-05	MW-RF COIL		
L15			L32-0286-05	LW OSCILLATING COIL		
L16			L32-0277-15	MW OSCILLATING COIL		
L17			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L18 -20			L40-1092-17	SMALL FIXED INDUCTOR(1UH,M)		
X1			L77-0573-05	CRYSTAL RESONATOR(4.5MHZ)		
X2			L78-0202-05	RESONATOR (400KHZ)		
R100			RD14GB2E220J	FL-PROOF RD 22 J 1/4W		
R101			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R104,105			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R123			RS14KB3A221J	FL-PROOF RS 220 J 1W		
R124			RS14KB3A471J	FL-PROOF RS 470 J 1W		
R171			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
VR1			R12-3126-05	TRIMMING PNT. (10K)		
VR2			R12-3130-05	TRIMMING PNT. (33K)		
VR3			R12-1089-05	TRIMMING PNT. (4.7K)		
VR4			R12-5058-05	TRIMMING PNT. (100K)		
S1 -20	1A,2A		S40-1064-05	PUSH SWITCH		
D1 -4			CPF2232GR	FLUORESCENT INDICATOR TUBE		
D5 ,6			FIP0BRM7	FLUORESCENT INDICATOR TUBE		
D7 -10			KV1310-4	VARIABLE CAPACITANCE DIODE		
			KV1236(Z2)	VARIABLE CAPACITANCE DIODE	TE	
			HSS104	DIODE	EE	
D7 -10			1N4148	DIODE		

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D7 -10			1SS133	DIODE	TE	
D11 ,12			S5566B	DIODE	TE	
D11 ,12			1N4004	DIODE	EE	
D13 ,14			HSS104A	DIODE		
D13 ,14			1SS131	DIODE		
D15			BZX55-C13	DIODE	EE	
D15			HZS13N(B2)	ZENER DIODE	TE	
D15			RD13ES(B2)	ZENER DIODE	TE	
D16			BZX55-C5V6	DIODE	EE	
D16			HZS5.6N(B2)	ZENER DIODE	TE	
D16			RD5.6ES(B2)	ZENER DIODE	TE	
D17			BZX55-C5V1	DIODE	EE	
D17			HZS5.1N(B)	ZENER DIODE	TE	
D17			RD5.1ES(B)	ZENER DIODE	TE	
D18 ,19			HSS104	DIODE	TE	
D18 ,19			IN4148	DIODE	EE	
D18 ,19			1SS133	DIODE	TE	
D20			BZX55-C10	DIODE	EE	
D20			HZS10N(B)	ZENER DIODE	TE	
D20			RD10ES(B)	ZENER DIODE	TE	
D21 -31			HSS104	DIODE	TE	
D21 -31			IN4148	DIODE	EE	
D21 -31			1SS133	DIODE	TE	
D39 -42			HSS104	DIODE	TE	
D39 -42			IN4148	DIODE	EE	
D39 -42			1SS133	DIODE	TE	
D43			BZX55-C6V2	DIODE	EE	
D43			HZS6.2N(B2)	ZENER DIODE	TE	
D43			RD6.2ES(B2)	ZENER DIODE	TE	
IC1			LA1265	IC(MICROPROCESSOR)	TE	
IC2			AN7470	IC(FM MPX)		
IC3			CX7925B	IC(FREQUENCY SYNTHESIZER PLL)		
IC4			UPD7538AC-041	IC(MICROPROCESSOR)		
Q1			3SK73(GR)	FET		
Q2			2SC1923(B)	TRANSISTOR		
Q3 ,4			2SC1923	TRANSISTOR		
Q5			2SK161(Y,GR)	FET		
Q6			2SC1923(R,B)	TRANSISTOR		
Q7 ,8			2SC1845(F,E)	TRANSISTOR		
Q9			2SK163(L,M)	FET	TE	
Q9			2SK364(GR,BL)	FET	TE	
Q10 -15			JCS01(P,Q)	TRANSISTOR	EE	
Q10 -15			2SC1740S(Q,R)	TRANSISTOR	TE	
Q10 -15			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q16 ,17			2SK163(L,M)	FET	TE	
Q16 ,17			2SK364(GR,BL)	FET	TE	
Q18 ,19			JCS01(P,Q)	TRANSISTOR	EE	
Q18 ,19			2SC1740S(Q,R)	TRANSISTOR	TE	
Q18 ,19			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q20			JAI01(P,Q)	TRANSISTOR	EE	
Q20			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q20			2SA933S(Q,R)	TRANSISTOR	TE	
Q2 ,23			2SD1302(S,T)	TRANSISTOR		
Q25 -27			JAI01(P,Q)	TRANSISTOR	EE	
Q25 -27			2SA733(A)(Q,P)	TRANSISTOR	TE	

E: Scandinavia & Europe K: USA P: Canada W: Europe

U: PX(Far East, Hawaii) T: England M: Other Areas

UE: AAFES(Europe) X: Australia EF: FRANCE MADE

J: JAPAN MADE

S: SINGAPORE MADE

△ indicates safety critical components.

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PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参考番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕向	Re- marks 備考
Q25 -27			2SA933S(Q,R)	TRANSISTOR	TE	
Q28			2SD1266(Q,P)	TRANSISTOR		
Q29			J101(P,Q)	TRANSISTOR	EE	
Q29			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q29			2SA933S(Q,R)	TRANSISTOR	TE	
Q30			JC501(P,Q)	TRANSISTOR	EE	
Q30			2SC1740S(Q,R)	TRANSISTOR	TE	
Q30			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q31			2SC2003(L,K)	TRANSISTOR	TE	
Q32			J101(P,Q)	TRANSISTOR	EE	
Q32			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q32			2SA933S(Q,R)	TRANSISTOR	TE	
Q33			JC501(P,Q)	TRANSISTOR	EE	
Q33			2SC1740S(Q,R)	TRANSISTOR	TE	
Q33			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q34 ,35			J101(P,Q)	TRANSISTOR	EE	
Q34 ,35			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q34 ,35			2SA933S(Q,R)	TRANSISTOR	TE	
Q36			JC501(P,Q)	TRANSISTOR	EE	
~6			2SC1740S(Q,R)	TRANSISTOR	TE	
Q36			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q37			J101(P,Q)	TRANSISTOR	EE	
Q37			2SA733(A)(Q,P)	TRANSISTOR	TE	
Q37			2SA933S(Q,R)	TRANSISTOR	TE	
Q38 ,39			JC501(P,Q)	TRANSISTOR	EE	
Q38 ,39			2SC1740S(Q,R)	TRANSISTOR	TE	
Q38 ,39			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q32			2SA933S(Q,R)	TRANSISTOR	S	

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KI-1010/L

SPECIFICATIONS

FM tuner section (IHF)

Tuning frequency range 87.5 MHz - 108 MHz
Usable sensitivity (MONO) 0.95 μ V, 10.8 dBf
Total harmonic distortion (at 1 kHz)

MONO: 0.3 %
STEREO: 0.3 %

Signal-to-Noise ratio (at 1 kHz, 65 dBf input)

MONO: 76 dB

STEREO: 72 dB

Alternate channel selectivity (± 400 kHz) 50 dB

Stereo separation at 1 kHz 40 dB

Frequency response 30 Hz - 15 kHz +0.5 dB, -2 dB

Output level/impedance (75 kHz dev.) 0.6 V/3.3 kohms

MW tuner section

Tuning frequency range 531 kHz - 1602 kHz
Usable sensitivity 14 μ V, 400 μ V/m
Signal-to-Noise ratio (30% mod. 1mV input) 50 dB
Total harmonic distortion 0.5 %
Selectivity 25 dB

LW tuner section

Tuning frequency range 153 kHz - 281 kHz
Usable sensitivity 17 μ V, 800 μ V/m
Signal-to Noise ratio (30% mod. 1mV input) 50 dB
Total harmonic distortion 0.5 %
Selectivity 30 dB

General

Power consumption 7 W
Dimensions W: 440 mm (17-5/16")
H: 74 mm (2-15/16")
D: 267 mm (10-1/2")
Weight (Net) 3.1 kg (6.8 lb)

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